

**Flood Control Project Maintenance
Levee Inspections
2013 Channel Summary Report
Overall Unit and Item Ratings**

Tehama County Flood Control and Water Conservation District

McClure Creek

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments & Other Structural Appurtenances	N
	Encroachments	A

Salt Creek

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments & Other Structural Appurtenances	A
	Encroachments	A

Flood Control Project Maintenance**Unit Cover Sheet****2013 Channel Inspection Results****Tehama County Flood Control and Water Conservation District**

Channel
McClure Creek

Channel Rating	A
Date of Inspection	07/30/2013
DWR Inspector	Bob Duffey
Accompanied By	Gary Antone Tehama Co.

**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2013

Tehama County Flood Control and Water Conservation District

Channel	Channel Length	Inspection Start/End	Inspector
McClure Creek	3.50	07/30/2013 07/30/2013	Bob Duffey

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
1	Truckee Avenue	Up	Vegetation & Obstructions		A	Inspector Comments: No vegetation in the channel.	40.009840 ° -122.200180 °		1
2		Up	Shoaling / Sedimentation		A		40.009840 ° -122.200180 °		2
3		Up	Erosion / Bank Caving		A		40.009840 ° -122.200180 °		5
4		Up	Revetments		N	Inspector Comments: No riprap along the banks of the channel.	40.009840 ° -122.200180 °		4
5		Up	Encroachments		A	Inspector Comments: No erosion in the channel.	40.009840 ° -122.200180 °	Y	3
6		Down	Vegetation & Obstructions		A	Inspector Comments: No vegetation in the channel.	40.009840 ° -122.200180 °		6
7		Down	Shoaling / Sedimentation		A		40.009840 ° -122.200180 °		7
8		Down	Erosion / Bank Caving		A		40.009840 ° -122.200180 °		8
9		Down	Revetments		N	Inspector Comments: No riprap along the banks of the channel.	40.009840 ° -122.200180 °		9
10		Down	Encroachments		A	Inspector Comments: No encroachments in the channel	40.009840 ° -122.200180 °	Y	10
11	Highway 99 W	Up	Vegetation & Obstructions		M	Inspector Comments: Remove all vegetation from channel before winter.	40.007430 ° -122.171780 °	Y	11
12		Up	Shoaling / Sedimentation		A		40.007430 ° -122.171780 °		12
13		Up	Erosion / Bank Caving		A		40.007430 ° -122.171780 °		13
14		Up	Revetments		N	Inspector Comments: No riprap along the bank of the channel.	40.007430 ° -122.171780 °		14
15		Up	Encroachments		A		40.007430 ° -122.171780 °		15
16		Down	Vegetation & Obstructions		M	Inspector Comments: Remove all vegetation from channel before winter.	40.007430 ° -122.171780 °	Y	16

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment	C : Corrected
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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2013

Tehama County Flood Control and Water Conservation District

Channel					Channel Length	Inspection Start/End	Inspector
McClure Creek					3.50	07/30/2013 07/30/2013	Bob Duffey

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
17		Down	Shoaling / Sedimentation		A		40.007430 ° -122.171780 °		17
18		Down	Erosion / Bank Caving		A		40.007430 ° -122.171780 °		18
19		Down	Revetments		N	Inspector Comments: No riprap along the banks of the channel.	40.007430 ° -122.171780 °		19
20		Down	Encroachments		A		40.007430 ° -122.171780 °		20
21	Hamilton Road	Up	Vegetation & Obstructions		M	Inspector Comments: Remove all vegetation from the channel before winter.	40.017400 ° -122.146540 °	Y	41
22		Up	Shoaling / Sedimentation		A		40.017400 ° -122.146540 °		42
23		Up	Erosion / Bank Caving		A		40.017400 ° -122.146540 °		43
24		Up	Revetments		N	Inspector Comments: No riprap along the banks of the channel.	40.017400 ° -122.146540 °		44
25		Up	Encroachments		A		40.017400 ° -122.146540 °		45
26		Down	Vegetation & Obstructions		M	Inspector Comments: Remove all vegetation from the channel before winter.	40.017400 ° -122.146540 °	Y	46
27		Down	Shoaling / Sedimentation		A		40.017400 ° -122.146540 °		47
28		Down	Erosion / Bank Caving		A		40.017400 ° -122.146540 °		48
29		Down	Revetments		N	Inspector Comments: No riprap along the banks of the channel.	40.017400 ° -122.146540 °		49
30		Down	Encroachments		A		40.017400 ° -122.146540 °		50

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2013

Tehama County Flood Control and Water Conservation District

Channel	Channel Length	Inspection Start/End	Inspector
McClure Creek	3.50	07/30/2013 07/30/2013	Bob Duffey

Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Encroachments
Upstream from extension of Truckee Avenue.	
rduffey_c_20130819_036.JPG	



Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Encroachments
Downstream from extension of Truckee Avenue.	
rduffey_c_20130819_037.JPG	



Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Upstream from Highway 99 W. Vegetation in the channel.	
rduffey_c_20130619_003.jpg	



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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2013

Tehama County Flood Control and Water Conservation District

Channel	Channel Length	Inspection Start/End	Inspector
McClure Creek	3.50	07/30/2013 07/30/2013	Bob Duffey

Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Upstream from Highway 99 W. Vegetation in the channel.	
rduffey_c_20130819_038.JPG	



Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Downstream from Highway 99 W. Vegetation in the channel.	
rduffey_c_20130819_039.JPG	



Levee Mile Report Line	21
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Upstream from Hamilton RD. Dense vegetation in the channel.	
rduffey_c_20130819_041.JPG	



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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2013

Tehama County Flood Control and Water Conservation District

Channel	Channel Length	Inspection Start/End	Inspector
McClure Creek	3.50	07/30/2013 07/30/2013	Bob Duffey

Levee Mile Report Line	26
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Downstream from Hamilton Rd. Vegetation in the channel.	
rduffey_c_20130819_040.JPG	



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Flood Control Project Maintenance**Unit Cover Sheet****2013 Channel Inspection Results****Tehama County Flood Control and Water Conservation District**

Channel
Salt Creek

Channel Rating	A
Date of Inspection	07/30/2013
DWR Inspector	Bob Duffey
Accompanied By	Gary Antone Tehama Co.

**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2013

Tehama County Flood Control and Water Conservation District

Channel	Channel Length	Inspection Start/End	Inspector
Salt Creek	1.60	07/30/2013 07/30/2013	Bob Duffey

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
1	Upstream Limit	Up	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	40.157120 ° -122.164250 °	Y	1
2		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation that would affect the capacity noted.	40.157120 ° -122.164250 °		2
3		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion that would affect the capacity was noted.	40.157120 ° -122.164250 °		3
4		Up	Revetments		A	Inspector Comments: Revetment appeared to be in good condition or not needed.	40.157120 ° -122.164250 °		4
5		Up	Encroachments		A	Inspector Comments: No encroachments were observed that would affect the flow.	40.157120 ° -122.164250 °		5
6		Down	Vegetation & Obstructions		A		40.157120 ° -122.164250 °		6
7		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation that would affect the capacity noted.	40.157120 ° -122.164250 °		7
8		Down	Erosion / Bank Caving		A	Inspector Comments: No erosion that would affect the capacity was noted.	40.157120 ° -122.164250 °		8
9		Down	Revetments		A	Inspector Comments: Revetment appeared to be in good condition or not needed.	40.157120 ° -122.164250 °		9
10		Down	Encroachments		A	Inspector Comments: New railroad car bridge being constructed at the low water crossing by PG&E.	40.157120 ° -122.164250 °		10
11	Extension of Salt Creek Road	Up	Vegetation & Obstructions		A		40.156770 ° -122.163670 °		11
12		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation that would affect the capacity noted.	40.156770 ° -122.163670 °		12
13		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion that would affect the capacity was noted.	40.156770 ° -122.163670 °		13

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment	C : Corrected
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Channel Inspection Report By Check Point and View Direction - 2013

Tehama County Flood Control and Water Conservation District

Channel	Channel Length	Inspection Start/End	Inspector
Salt Creek	1.60	07/30/2013 07/30/2013	Bob Duffey

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
14		Up	Revetments		A	Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.	40.156770 ° -122.163670 °	Y	14
15		Up	Encroachments		A	Inspector Comments: No encroachments were observed that would affect the flow.	40.156770 ° -122.163670 °		15
16		Down	Vegetation & Obstructions		A		40.156770 ° -122.163670 °		16
17		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation that would affect the capacity noted.	40.156770 ° -122.163670 °		17
18		Down	Erosion / Bank Caving		A	Inspector Comments: No erosion that would affect the capacity was noted.	40.156770 ° -122.163670 °		18
19		Down	Revetments		A	Inspector Comments: Revetment appeared to be in good condition or not needed.	40.156770 ° -122.163670 °		19
20		Down	Encroachments		A	Inspector Comments: No encroachments were observed that would affect the flow.	40.156770 ° -122.163670 °		20
21	2,800' upstream of downstream limit	Up	Vegetation & Obstructions		A	Inspector Comments: The property owner has removed the debris from the channel.	40.151480 ° -122.157590 °	Y	21
22		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation that would affect the capacity noted.	40.151480 ° -122.157590 °		22
23		Up	Erosion / Bank Caving		A		40.151480 ° -122.157590 °		23
24		Up	Revetments		A	Inspector Comments: Revetment appeared to be in good condition or not needed.	40.151480 ° -122.157590 °		24
25		Up	Encroachments		A	Inspector Comments: No encroachments were observed that would affect the flow.	40.151480 ° -122.157590 °		25
26		Down	Vegetation & Obstructions		A		40.151480 ° -122.157590 °		26
27		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation that would affect the capacity noted.	40.151480 ° -122.157590 °		27

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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2013

Tehama County Flood Control and Water Conservation District

Channel				Channel Length	Inspection Start/End	Inspector
Salt Creek				1.60	07/30/2013 07/30/2013	Bob Duffey

LMR No.	Check Point	View	Item	Location	Rating	Inspector Comment	GPS Latitude & Longitude	Photo	Issue No
28		Down	Erosion / Bank Caving		A	Inspector Comments: No erosion that would affect the capacity was noted.	40.151480 ° -122.157590 °		28
29		Down	Revetments		A	Inspector Comments: Revetment appeared to be in good condition or not needed.	40.151480 ° -122.157590 °		29
30		Down	Encroachments		A	Inspector Comments: No encroachments were observed that would affect the flow.	40.151480 ° -122.157590 °		30
31	100' upstream of confluence with Sac. R.	Up	Vegetation & Obstructions		A	Inspector Comments: Logs and vegetation have been removed from the channel.	40.147230 ° -122.154420 °	Y	31
32		Up	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation that would affect the capacity noted.	40.147230 ° -122.154420 °		32
33		Up	Erosion / Bank Caving		A	Inspector Comments: No erosion that would affect the capacity was noted.	40.147230 ° -122.154420 °		33
34		Up	Revetments		A	Inspector Comments: Revetment appeared to be in good condition or not needed.	40.147230 ° -122.154420 °		34
35		Up	Encroachments		A	Inspector Comments: No encroachments were observed that would affect the flow.	40.147230 ° -122.154420 °		35
36		Down	Vegetation & Obstructions		A		40.147230 ° -122.154420 °		36
37		Down	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation that would affect the capacity noted.	40.147230 ° -122.154420 °		37
38		Down	Erosion / Bank Caving		A	Inspector Comments: No erosion that would affect the capacity was noted.	40.147230 ° -122.154420 °		38
39		Down	Revetments		N	Inspector Comments: This item does not apply to this inspection.	40.147230 ° -122.154420 °		39
40		Down	Encroachments		A	Inspector Comments: No encroachments were observed that would affect the flow.	40.147230 ° -122.154420 °		40

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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Channel Inspections**

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Tehama County Flood Control and Water Conservation District

Channel	Channel Length	Inspection Start/End	Inspector
Salt Creek	1.60	07/30/2013 07/30/2013	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

View of Salt Creek from the new railroad car bridge.

rduffey_c_20130819_032.JPG



Levee Mile Report Line	14
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Revetments

The landowner has place concrete riprap along all erosion sites.

rduffey_c_20130819_033.JPG



Levee Mile Report Line	21
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions

Channel has been cleared of all logs and vegetation by landowner.

rduffey_c_20130819_034.JPG



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**Flood Control Project Maintenance
Channel Inspections**

Channel Inspection Report By Check Point and View Direction - 2013

Tehama County Flood Control and Water Conservation District

Channel	Channel Length	Inspection Start/End	Inspector
Salt Creek	1.60	07/30/2013 07/30/2013	Bob Duffey

Levee Mile Report Line	31
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Channels
Item	Vegetation & Obstructions
Logs and vegetation has been removed from the channel at the confluence of the Sac. River.	
rduffey_c_20130819_035.JPG	



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