

Flood Control Project Maintenance
2013 Structure Summary Report
Overall Unit and Item Ratings

Plumas County

North Fork Feather River Diversion Channel Drop Structure No. 1 Through 7

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2013 Structure Summary Report
Overall Unit and Item Ratings

Plumas County (cont.)

North Fork Feather River Diversion Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	A
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
Unit Cover Sheet
2013 Structure Inspection Results

Plumas County

Structure
North Fork Feather River Diversion Channel Drop Structure No. 1 Through 7

Structure Rating	A
Date of Inspection	07/31/2013
DWR Inspector	Bob Duffey
Accompanied By	Jay Pettigrew Plumas Co.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

Plumas County

Structure						Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 1 Through 7							07/31/2013 07/31/2013	Bob Duffey

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: All vegetation needs to be removed from the drop structure before winter.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	1
2	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: There is no shoaling or sedimentation present.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	2
3	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: There is no erosion activity present.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	3
4	0.00	0.00	Structures	Revetments		A	Inspector Comments: Existing riprap protection is properly maintained.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	4
5	0.00	0.00	Structures	Encroachments		A	Inspector Comments: There are no debris in the channel.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	5
6	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	6
7	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	7
8	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	8
9	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	9
10	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	10
11	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	11
12	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	12
13	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	13
14	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: The concrete surface is weathered and rough to the touch.	40.296550 ° 121.259960 °	40.296550 ° 121.259960 °	14 Y
15	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: No areas of tilting were observed.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	15

*** 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

Plumas County

Structure						Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 1 Through 7							07/31/2013 07/31/2013	Bob Duffey

LNI# No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
16	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: There is no erosion or undermining near the structure.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	16
17	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	17
18	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	18
19	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	19
20	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	20
21	0.00	0.00	Structures	Monolith Joints		N	Inspector Comments: This item does not apply to this inspection.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	21
22	0.00	0.00	Structures	Safety		A	Inspector Comments: The county has safety procedures for working around the structure.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	22
23	0.00	0.00	Structures	Photo Documentation		N	Inspector Comments: Spray or remove all vegetation from the channel.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	23 Y
24	0.00	0.00	Structures	Operation & Maintenance Manual		A	Inspector Comments: The county has copies of the O&M Manual in their office.	40.272710 ° 121.245750 °	40.272710 ° 121.245750 °	24

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

Plumas County

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Channel Drop Structure No. 1 Through 7		07/31/2013 07/31/2013	Bob Duffey

Levee Mile Report Line	14
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Concrete Surfaces
View of drop structure 1, looking towards the Feather River.	
rduffey_t_20130828_016.JPG	



Levee Mile Report Line	23
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
View of structure 7 looking towards 6 & 5.	
rduffey_t_20130828_017.JPG	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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Flood Control Project Maintenance
Unit Cover Sheet
2013 Structure Inspection Results

Plumas County

Structure
North Fork Feather River Diversion Structure

Structure Rating	A
Date of Inspection	07/31/2013
DWR Inspector	Bob Duffey
Accompanied By	Jay Pettigrew Plumas

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

Plumas County

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Structure		07/31/2013 07/31/2013	Bob Duffey

LNI# No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: Remove all vegetation from the face of the dam area before winter.	40.302810 ° 121.261940 °	40.302810 ° 121.261940 °	1 Y
2	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: Remove the sediment as needed.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	2
3	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: There is no active erosion at this structure.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	3
4	0.00	0.00	Structures	Revetments		A	Inspector Comments: Existing riprap protection is properly maintained.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	4
5	0.00	0.00	Structures	Encroachments		A	Inspector Comments: Remove all debris from upstream side of the structure before winter.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	5 Y
6	0.00	0.00	Structures	Culverts: Inlets / Outlets		A	Inspector Comments: Remove the debris from inlet.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	6
7	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		A	Inspector Comments: Inspect the concrete tubes each year for cracking and leaks.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	7
8	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	8
9	0.00	0.00	Structures	Trash Racks		A	Inspector Comments: Remove all debris from the trash rack.	40.302750 ° 121.262170 °	40.302750 ° 121.262170 °	9 Y
10	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not apply to this inspection.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	10
11	0.00	0.00	Structures	Sluice/Slide Gates		A	Inspector Comments: Make sure the flash board drop structure properly seal in front of the structure each year.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	11
12	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	40.302810 ° 121.261940 °	40.302810 ° 121.261940 °	12 Y
13	0.00	0.00	Structures	Manual Gate Operators		A	Inspector Comments: Make sure the flash board drop structures properly seal the front of the structure each year.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	13
14	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: There is minor spalling and cracking that Plumas County repaired.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	14

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

Plumas County

Structure						Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Structure							07/31/2013 07/31/2013	Bob Duffey

LIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
15	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: There are no significant areas of tilting.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	15
16	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: There is surface cracking along the south wall of the fish ladder.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	16
17	0.00	0.00	Structures	Security Fencing		A	Inspector Comments: Safety / security fence is in good condition.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	17
18	0.00	0.00	Structures	Closure Structures		A	Inspector Comments: It appears the closure structure is in good condition.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	18
19	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	19
20	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not apply to this inspection.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	20
21	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: The mortar joints need to be checked each year.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	21
22	0.00	0.00	Structures	Safety		A	Inspector Comments: Plumas Co. has safety procedures for working around the structure.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	22
23	0.00	0.00	Structures	Photo Documentation		N		40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	23 Y
24	0.00	0.00	Structures	Operation & Maintenance Manual		A	Inspector Comments: The county has copies of the O&M Manual in their office.	40.302640 ° 121.263190 °	40.302640 ° 121.263190 °	24

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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PO : Partially Obstructing
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

Plumas County

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Structure		07/31/2013 07/31/2013	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Vegetation & Obstructions
View of the outfall structure & slope of the dam.	
rduffey_t_20130828_018.JPG	



Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Encroachments
Remove the debris from both side of the structure.	
rduffey_t_20130828_019.JPG	



Levee Mile Report Line	9
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Trash Racks
View of the trash with debris blocking the flow of water.	
rduffey_t_20130828_020.JPG	



* 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
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

Plumas County

Structure	Structure Length	Inspection Start/End	Inspector
North Fork Feather River Diversion Structure		07/31/2013 07/31/2013	Bob Duffey

Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Electric Gate Operators
Gauging house on top of the dam, use discontinued due to vandalism.	
rduffey_t_20130828_022.JPG	



Levee Mile Report Line	23
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
View of the dam & structure.	
rduffey_t_20130828_021.JPG	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected, see Inspector Comment</p>	<p>C : Corrected</p>
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