

**Flood Control Project Maintenance
Levee Inspections**

Fall 2014 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0015 Plumas County		Overall LMA Rating	Total LMA Miles						
		U	3.25						
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	1.20		1.20	36.93%					
Encroachments					0.03				
Slope Stability	0.06	0.09	0.42	12.92%					
<i>LMA Totals:</i>	1.26	0.09	1.62	49.85%	0.03	0.00	0.00	0.00	
Unit No. 01 North Fork Feather River LB		Overall Unit Rating	Total Unit Miles						
NA0015		U	1.89						
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					0.03				
Slope Stability	0.02	0.09	0.38	20.09%					
<i>Unit Totals:</i>	0.02	0.09	0.38	20.09%	0.03	0.00	0.00	0.00	
Unit No. 02 North Fork Feather River RB		Overall Unit Rating	Total Unit Miles						
NA0015		U	1.36						
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	1.20		1.20	88.37%					
Slope Stability	0.04		0.04	2.95%					
<i>Unit Totals:</i>	1.24	0.00	1.24	91.31%	0.00	0.00	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2014 Levee Inspection Results

Plumas County

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

** 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 2014 Levee Inspection Results

Plumas County

Waterway		Bank	Unit Miles	
Unit No. 01 North Fork Feather River		Left	1.89	
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	04/09/2014 - 04/09/2014		11/04/2014 - 11/04/2014	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Jay Pettigrew Plumas County		Jay Pettigrew Plumas 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 2014

Plumas County

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Fork Feather River	Left	1.89	11/04/2014 11/04/2014	Bob Duffey

LM Start		Rating **	A	Issue No.	1
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			o	
				o	
DWR ID	DWR_NA0015_01_s_2013_1				
Action/Comments					
Inspector Comments: The LMA has O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	2
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			o	
				o	
DWR ID	DWR_NA0015_01_s_2013_2				
Action/Comments					
Inspector Comments: The LMA has flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	3
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			o	
				o	
DWR ID	DWR_NA0015_01_s_2013_3				
Action/Comments					
Inspector Comments: The LMA has completed flood flight training in the past.					

No Photos

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

Levee Inspection Report By Mile - Fall 2014

Plumas County

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Fork Feather River	Left	1.89	11/04/2014 11/04/2014	Bob Duffey

LM Start	0.55	Rating **	M	Issue No.	9
LM End	0.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		40.279790 °	121.249850 °	
			40.279790 °	121.249850 °	
DWR ID	DWR_NA0015_01_s_2012_9				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2014_NA0015_337_9_20141112_00004.jpg



View of the vehicle erosion along the waterside toe.

LM Start	0.68	Rating **	M	Issue No.	4
LM End	0.68	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		40.281480 °	40.281480 °	
			-121.250928 °	-121.250928 °	
DWR ID	DWR_NA0015_01_s_2013_4				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2014_NA0015_337_4_20141112_00005.jpg



View of the pruning along the landside slope.

LM Start	0.80	Rating **	M	Issue No.	6
LM End	0.80	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		40.283163 °	40.283163 °	
			-121.251293 °	-121.251293 °	
DWR ID	DWR_NA0015_01_f_2014_6				
Action/Comments					
Tree or limb					

Photo 1 of 1 : FA_2014_NA0015_337_6_20141112_00006.jpg



View of the tree along the landside toe.

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

Levee Inspection Report By Mile - Fall 2014

Plumas County

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Fork Feather River	Left	1.89	11/04/2014 11/04/2014	Bob Duffey

LM Start	0.97	Rating **	M	Issue No.	5
LM End	0.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		40.285363 °	40.285363 °	
			-121.251973 °	-121.251973 °	
DWR ID	DWR_NA0015_01_f_2013_5				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2014_NA0015_337_5_20141112_00007.jpg



View of the vehicle erosion along the waterside slope.

LM Start	1.41	Rating **	U	Issue No.	7
LM End	1.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		40.290758 °	40.291987 °	
			-121.255402 °	-121.256072 °	
DWR ID	DWR_NA0015_01_f_2014_7				
Action/Comments					
Repair slope instability. Inspector Comments: The landowner needs to replace the material that has been removed from the toe of the levee.					

Photo 1 of 1 : FA_2014_NA0015_337_7_20141112_00008.jpg



View of the area where the contractor has removed the material from toe of the levee.

LM Start	1.86	Rating **	M	Issue No.	8
LM End	1.86	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		40.296910 °	40.296910 °	
			-121.257280 °	-121.257280 °	
DWR ID	DWR_NA0015_01_f_2014_8				
Action/Comments					
Tree or limb					

Photo 1 of 1 : FA_2014_NA0015_337_8_20141112_00009.jpg



Remove the tree stumps from the slope of the levee.

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

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Plumas County

Waterway		Bank	Unit Miles
Unit No. 02 North Fork Feather River		Right	1.36
	Spring (March - May)	Summer (June - August)	(September - November) Fall Winter (December - February)
Unit Maintenance Rating (Fall Only)			U
Date of Inspection	04/09/2014 - 04/09/2014		11/04/2014 - 11/04/2014
DWR Inspector	Bob Duffey		Bob Duffey
Accompanied By	Jay Pettigrew Plumas County		Jay Pettigrew Plumas County

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Levee Inspection Report By Mile - Fall 2014

Plumas County

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 North Fork Feather River	Right	1.36	11/04/2014 11/04/2014	Bob Duffey

LM Start	0.02	Rating **	M	Issue No.	2
LM End	0.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		40.286415 °	40.281054 °	
			-121.259613 °	-121.252789 °	
DWR ID	DWR_NA0015_02_f_2012_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Mow or remove the pine trees from the slope.					

Photo 1 of 1 : FA_2014_NA0015_338_2_20141112_00007.jpg



View of the small pine trees that need to be removed from the waterside slope.

LM Start	0.02	Rating **	M	Issue No.	1
LM End	0.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		40.286415 °	40.281053 °	
			-121.259613 °	-121.252792 °	
DWR ID	DWR_NA0015_02_f_2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Mow or remove the pine trees from the slope.					

Photo 1 of 1 : FA_2014_NA0015_338_1_20141112_00008.jpg



View of the small pine trees growing on the landside slope.

LM Start	0.44	Rating **	M	Issue No.	6
LM End	0.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		40.283059 °	40.283059 °	
			-121.253989 °	-121.253989 °	
DWR ID	DWR_NA0015_02_f_2013_6				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2014_NA0015_338_6_20141112_00009.jpg



View of the vehicle erosion on the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2014

Plumas County

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 North Fork Feather River	Right	1.36	11/04/2014 11/04/2014	Bob Duffey

LM Start	0.46	Rating **	M	Issue No.	3
LM End	0.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		40.282980 °	121.253990 °	
			40.282980 °	121.253990 °	
DWR ID	DWR_NA0015_02_s_2012_3				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					

Photo 1 of 1 : FA_2014_NA0015_338_3_20141112_00010.jpg



View of the vehicle erosion along the waterside slope.

LM Start	0.55	Rating **	M	Issue No.	4
LM End	0.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		40.281950 °	121.253710 °	
			40.281950 °	121.253710 °	
DWR ID	DWR_NA0015_02_s_2012_4				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2014_NA0015_338_4_20141112_00012.jpg



View of the erosion along the landside slope.

LM Start	0.55	Rating **	M	Issue No.	5
LM End	0.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		40.281950 °	121.253710 °	
			40.281950 °	121.253710 °	
DWR ID	DWR_NA0015_02_s_2012_5				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2014_NA0015_338_5_20141112_00011.jpg



View of the vehicle erosion on the waterside slope.

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