

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2014 Levee Maintenance Deficiency Summary Report**

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

**Sacramento River Basin**

ST0006 Sutter Maintenance Yard Nelson Bend	Overall LMA Rating	Total LMA Miles						
	<b>U</b>	<b>0.50</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	0.55		0.55	110.64%				
Trim / Thin Trees	0.44		0.44	88.51%				
Encroachments						0.01		
<i>LMA Totals:</i>	0.99	0.00	0.99	199.15%	0.00	0.01	0.00	0.00

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

**Sutter Maintenance Yard Nelson Bend**

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

\*\* 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**

**Sutter Maintenance Yard Nelson Bend**

Waterway		Bank	Unit Miles
Unit No. 01 Feather River West Levee-Nelson Bend			0.50
	Spring (March - May)	Summer (June - August)	(September - November) Fall Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>
Date of Inspection	05/01/2014 - 05/01/2014		10/14/2014 - 10/14/2014
DWR Inspector	Matthew Hoffman		Matthew Hoffman
Accompanied By			

**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  
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**Levee Inspection Report By Mile - Fall 2014**

**Sutter Maintenance Yard Nelson Bend**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River West Levee-Nelson Bend		0.50	10/14/2014 10/14/2014	Matthew Hoffman

LM Start		Rating **	A	Issue No.	<b>9</b>
LM End		Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals		°	°	°
DWR ID	DWR_ST0006_01_s_2014_9				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has copies of the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	<b>10</b>
LM End		Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment		°	°	°
DWR ID	DWR_ST0006_01_s_2014_10				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has flood fight supplies on hand at their equipment yard.					

No Photos

LM Start		Rating **	A	Issue No.	<b>11</b>
LM End		Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training		°	°	°
DWR ID	DWR_ST0006_01_s_2014_11				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has attended flood fight training.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Fall 2014**

**Sutter Maintenance Yard Nelson Bend**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River West Levee-Nelson Bend		0.50	10/14/2014 10/14/2014	Matthew Hoffman

LM Start	<b>0.00</b>	Rating **	A/W	Issue No.	<b>7</b>
LM End	<b>0.50</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments			°	°
DWR ID	DWR_ST0006_01_f_2012_7				
Action/Comments					
Fence Inspector Comments: A landowner has constructed a gate on the crown that prevents inspection of this unit. The unit was inaccessible for the fall 2012 season and was not inspected. The unit was accessible during the spring 2013 inspection, but was difficult to open and should be monitored.					

No Photos

LM Start	<b>0.01</b>	Rating **	M	Issue No.	<b>1</b>
LM End	<b>0.45</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.886937 °	38.880822 °	
			-121.614752 °	-121.614565 °	
DWR ID	DWR_ST0006_01_s_2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA\_2014\_ST0006\_471\_1\_20141017\_00004.jpg



This photo was taken from the crown facing south looking down the waterward levee slope at vegetation needing annual maintenance. Fall 2014.

LM Start	<b>0.01</b>	Rating **	M	Issue No.	<b>3</b>
LM End	<b>0.45</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.886933 °	38.880857 °	
			-121.614753 °	-121.614555 °	
DWR ID	DWR_ST0006_01_s_2012_3				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : FA\_2014\_ST0006\_471\_3\_20141017\_00005.jpg



This photo was taken from the crown facing south looking down the landward levee slope at trees that need to be trimmed up 5 feet to allow for slope visibility. Fall 2014.

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

**Sutter Maintenance Yard Nelson Bend**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River West Levee-Nelson Bend		0.50	10/14/2014 10/14/2014	Matthew Hoffman

LM Start	<b>0.05</b>	Rating **	M	Issue No.	<b>4</b>
LM End	<b>0.05</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.886408 °	38.886408 °	
			-121.615092 °	-121.615092 °	
DWR ID	DWR_ST0006_01_s_2012_4				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : FA\_2014\_ST0006\_471\_4\_20141013\_00003.jpg



View of the elderberries that are blocking visibility.

LM Start	<b>0.13</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>0.22</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.885320 °	38.883970 °	
			-121.615677 °	-121.615830 °	
DWR ID	DWR_ST0006_01_s_2012_5				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	<b>0.30</b>	Rating **	M	Issue No.	<b>6</b>
LM End	<b>0.30</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.882870 °	38.882870 °	
			-121.615477 °	-121.615477 °	
DWR ID	DWR_ST0006_01_s_2012_6				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> 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  
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**Levee Inspection Report By Mile - Fall 2014**

**Sutter Maintenance Yard Nelson Bend**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River West Levee-Nelson Bend		0.50	10/14/2014 10/14/2014	Matthew Hoffman

LM Start	<b>0.48</b>	Rating **	U	Issue No.	<b>8</b>
LM End	<b>0.48</b>	Issue Type +	En	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.880488 °	38.880488 °	
			-121.614230 °	-121.614230 °	
DWR ID	DWR_ST0006_01_s_2012_8				
Action/Comments					
Building					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable 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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