

**Flood Control Project Maintenance
Levee Inspections**

Fall 2015 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						
	U	0.50						
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	0.06	0.84	3.42	687.99%				
Encroachments					0.06	0.04		
LMA Totals:	0.06	0.84	3.42	687.99%	0.06	0.04	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Fall 2015 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)			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 2015 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)			U	
Date of Inspection	05/14/2015 - 05/14/2015		11/18/2015 - 11/18/2015	
DWR Inspector	Michael Pitta		Bob Duffey	
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 2015

Sutter Maintenance Yard Nelson Bend

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River West Levee - Nelson Bend		0.50	11/18/2015 11/18/2015	Bob Duffey

LM Start		Rating **	A	Issue No.	9
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.	10
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.	11
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

* 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
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Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Nelson Bend

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River West Levee - Nelson Bend		0.50	11/18/2015 11/18/2015	Bob Duffey

LM Start	0.18	Rating **	M	Issue No.	13
LM End	0.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.884577 °	38.884577 °	
			-121.615761 °	-121.615761 °	
DWR ID	DWR_ST0006_01_s_2015_13				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Elderberries are partially blocking visibility.					

No Photos

LM Start	0.21	Rating **	M	Issue No.	14
LM End	0.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.884151 °	38.884151 °	
			-121.615732 °	-121.615732 °	
DWR ID	DWR_ST0006_01_s_2015_14				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Elderberries are partially blocking visibility.					

No Photos

LM Start	0.34	Rating **	M	Issue No.	6
LM End	0.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.882398 °	38.882398 °	
			-121.614966 °	-121.614966 °	
DWR ID	DWR_ST0006_01_s_2012_6				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Elderberries are partially blocking visibility.					

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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Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Nelson Bend

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River West Levee - Nelson Bend		0.50	11/18/2015 11/18/2015	Bob Duffey

LM Start	0.40	Rating **	M	Issue No.	16
LM End	0.46	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.881638 °	38.880795 °	
			-121.614647 °	-121.614427 °	
DWR ID	DWR_ST0006_01_f_2015_16				
Action/Comments					
Pipe Inspector Comments: The pipe is laying along the waterside berm.					

Photo 1 of 1 : FA_2015_ST0006_471_16_20151120_00004.jpg



View of the pipe along the waterside berm.

LM Start	0.47	Rating **	U	Issue No.	8
LM End	0.47	Issue Type +	En	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.880664 °	38.880664 °	
			-121.614335 °	-121.614335 °	
DWR ID	DWR_ST0006_01_s_2012_8				
Action/Comments					
Building Inspector Comments: the building is directly behind the pipe that is laying along the waterside berm.					

Photo 1 of 1 : FA_2015_ST0006_471_8_20151123_00007.jpg



View of the building directly behind the pipe on the waterside berm.

* 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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