

**Flood Control Project Maintenance
Levee Inspections**

Fall 2014 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0018 California Department of Fish and Game Shea Levee	Overall LMA Rating	Total LMA Miles						
	U	0.30						
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	0.22		0.22	73.23%				
Trim / Thin Trees	0.14		0.14	46.60%				
Animal Control	0.06		0.06	19.97%				
Operations & Maintenance Manuals	0.01		0.01	3.33%				
Emergency Supplies & Equipment	0.01		0.01	3.33%				
Flood Preparedness & Training	0.01		0.01	3.33%				
<i>LMA Totals:</i>	0.45	0.00	0.45	149.79%	0.00	0.00	0.00	0.00

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

California Department of Fish and Game Shea Levee

	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
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Unit Cover Sheet

Fall 2014 Levee Inspection Results

California Department of Fish and Game Shea Levee

Waterway		Bank	Unit Miles
Unit No. 01 Sacramento River		Left	0.30
	Spring (March - May)	Summer (June - August)	(September - November) Fall Winter (December - February)
Unit Maintenance Rating (Fall Only)			U
Date of Inspection	03/27/2014 - 03/27/2014		11/05/2014 - 11/05/2014
DWR Inspector	Bob Duffey		Bob Duffey
Accompanied By	Michael Harris Department of Fish and Game		Michael Harris Department of Fish and Game

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

California Department of Fish and Game Shea Levee

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.30	11/05/2014 11/05/2014	Bob Duffey

LM Start		Rating **	M	Issue No.	7
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0018_01_s_2013_7				
Action/Comments					
Inspector Comments: Fish and Wildlife Service will not call me back and I was unable to verify the manual.					

No Photos

LM Start		Rating **	M	Issue No.	8
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_NA0018_01_s_2012_8				
Action/Comments					
Inspector Comments: The LMA has not completed any training and does not have an available flood plan.					

No Photos

LM Start		Rating **	M	Issue No.	10
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0018_01_s_2013_10				
Action/Comments					
Inspector Comments: The Fish and Wildlife Service will not call me back and I was unable to verify their supplies.					

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

California Department of Fish and Game Shea Levee

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.30	11/05/2014 11/05/2014	Bob Duffey

LM Start	0.02	Rating **	M	Issue No.	1
LM End	0.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		40.511185 °	40.510670 °	
			-122.360553 °	-122.361203 °	
DWR ID	DWR_NA0018_01_s_2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Fish and Wildlife Service has not completed any maintenance.					

Photo 1 of 1 : FA_2014_NA0018_269_1_20141112_00007.jpg



View of the blackberries and other vegetation along the landside slope.

LM Start	0.02	Rating **	M	Issue No.	6
LM End	0.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		40.511185 °	40.510671 °	
			122.360553 °	122.360944 °	
DWR ID	DWR_NA0018_01_s_2013_6				
Action/Comments					
Repair the levee slope damaged by livestock and prevent large animal access. Inspector Comments: The livestock damaged the L/S slope.					

Photo 1 of 1 : FA_2014_NA0018_269_6_20141112_00008.jpg



View of the livestock erosion along the land side slope.

LM Start	0.06	Rating **	M	Issue No.	9
LM End	0.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		40.510649 °	40.509012 °	
			-122.360945 °	-122.362609 °	
DWR ID	DWR_NA0018_01_f_2012_9				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Fish and Wildlife Service has not completed any maintenance.					

Photo 1 of 1 : FA_2014_NA0018_269_9_20141112_00009.jpg



Remove the small trees along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

California Department of Fish and Game Shea Levee

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.30	11/05/2014 11/05/2014	Bob Duffey

LM Start	0.08	Rating **	M	Issue No.	5
LM End	0.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		40.510671 °	40.509146 °	
			-122.360944 °	-122.362499 °	
DWR ID	DWR_NA0018_01_s_2012_5				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2014_NA0018_269_5_20141112_00010.jpg



The Dept. of Fish and wildlife services has done no maintenance this year.

LM Start	0.25	Rating **	M	Issue No.	2
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		40.508138 °	40.508138 °	
			-122.363480 °	-122.363480 °	
DWR ID	DWR_NA0018_01_s_2012_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2014_NA0018_269_2_20141112_00011.jpg



View of the levee with no maintenance done.

* 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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