

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2019 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							
	<b>U</b>	<b>0.30</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	0.59		0.59	196.39%					
Crown Surface / Depressions / Rutting	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>	0.62	0.00	0.62	206.38%	0.00	0.00	0.00	0.00	
Unit No. 01 Sacramento River LB	Overall Unit Rating	Total Unit Miles							
NA0018	<b>U</b>	<b>0.30</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	0.59		0.59	196.39%					
Crown Surface / Depressions / Rutting	0.01		0.01	3.33%					
<i>Unit Totals:</i>	0.60	0.00	0.60	199.72%	0.00	0.00	0.00	0.00	

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2019 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  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2019 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)			<b>U</b>	
Date of Inspection	3/29/2019 - 3/29/2019		9/19/2019 - 9/19/2019	
DWR Inspector	Makar Sokol		Makar Sokol	
Accompanied By	Monty Currier Department of Fish and Wildlife			
	Bob Duffey			

**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 2019**

**California Department of Fish and Game Shea Levee**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.30	09/19/2019 09/19/2019	Makar Sokol

LM Start		Rating **	A	Issue No.	7
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_NA0018_01_s_2013_7				
Comment Code					
Inspector Comment					
LMA has the O&M 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			o	o
DWR ID	DWR_NA0018_01_s_2012_8				
Comment Code					
Inspector Comment					
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			o	o
DWR ID	DWR_NA0018_01_s_2013_10				
Comment Code					
Inspector Comment					
The LMA does not maintain an adequate supply of materials for flood fighting.					

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
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**California Department of Fish and Game Shea Levee**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.30	09/19/2019 09/19/2019	Makar Sokol

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>3</b>
LM End	<b>0.07</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		40.507738 °	40.508665 °	
			-122.363682 °	-122.362983 °	
DWR ID	DWR_NA0018_01_f_2017_3				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_NA0018\_269\_3\_20190920\_00007.jpg



View of wild growth along the landside slope. Fall 2019.

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>1</b>
LM End	<b>0.30</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		40.507697 °	40.510670 °	
			-122.363683 °	-122.361203 °	
DWR ID	DWR_NA0018_01_s_2012_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_NA0018\_269\_1\_20190920\_00008.jpg



View of the vegetation along the waterside slope. Fall 2019.

LM Start	<b>0.05</b>	Rating **	M	Issue No.	<b>4</b>
LM End	<b>0.05</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		40.508401 °	40.508401 °	
			-122.363261 °	-122.363261 °	
DWR ID	DWR_NA0018_01_s_2019_4				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_NA0018\_269\_4\_20190822\_00006.jpg



View of the crown surface with depressions and no gravel.

<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
--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**California Department of Fish and Game Shea Levee**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.30	09/19/2019 09/19/2019	Makar Sokol

LM Start	<b>0.08</b>	Rating **	M	Issue No.	<b>2</b>
LM End	<b>0.13</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.508707°	40.509343°
				-122.362935°	-122.362276°
DWR ID	DWR_NA0018_01_s_2012_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_NA0018\_269\_2\_20190920\_00009.jpg



View of the vegetation along the landside slope. Fall 2019.

LM Start	<b>0.13</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>0.30</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.509343°	40.511278°
				-122.362276°	-122.360328°
DWR ID	DWR_NA0018_01_f_2019_5				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_NA0018\_269\_5\_20190920\_00010.jpg



View of the wild growth along the landside slope. Fall 2019.

<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
--	---	---