

**Flood Control Project Maintenance
Levee Inspections**

Fall 2017 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

**** SBFCA currently has operation and maintenance obligations during project construction and closeout.**

LD0009	Overall LMA Rating	Total LMA Miles							
Levee District No. 0009 (Sutter County)			A	6.25					
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Encroachments					0.35				
Animal Control	0.01		0.01	0.16%					
LMA Totals:	0.01	0.00	0.01	0.16%	0.35	0.00	0.00	0.00	

Unit No. 01 Sutter County, Feather River RB	Overall Unit Rating	Total Unit Miles							
LD0009			A	6.25					
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Encroachments					0.35				
Animal Control	0.01		0.01	0.16%					
Unit Totals:	0.01	0.00	0.01	0.16%	0.35	0.00	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2017 Levee Inspection Results

Levee District No. 0009 (Sutter County)

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

** 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 2017 Levee Inspection Results

Levee District No. 0009 (Sutter County)

Waterway			Bank	Unit Miles
Unit No. 01 Sutter County, Feather River			Right	6.25
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/19/2017 - 4/19/2017		9/26/2017 - 9/26/2017	
DWR Inspector	Sterling York		Sterling York	
Accompanied By	David Schmidl		David Schmidl	

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 2017

Levee District No. 0009 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter County, Feather River	Right	6.25	09/26/2017 09/26/2017	Sterling York

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_LD0009_01_s_2013_4				
Comment Code					
Inspector Comment					
LD 9 has flood fight supplies on hand and coordinates with other local levee districts in the flood fight supply staging program.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_LD0009_01_s_2013_5				
Comment Code					
Inspector Comment					
The levee district has stated in the past that they have a copy of the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_LD0009_01_s_2013_6				
Comment Code					
Inspector Comment					
The district has attended the Flood Fight class put on by RD 784 and DWR.					

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 2017

Levee District No. 0009 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter County, Feather River	Right	6.25	09/26/2017 09/26/2017	Sterling York

LM Start	0.09	Rating **	A	Issue No.	1
LM End	6.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.170037 °	39.255775 °
				-121.622573 °	-121.636385 °
DWR ID	DWR_LD0009_01_f_2017_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Well maintained annual vegetation, Fall 2017.					

Photo 1 of 2 : FA_2017_LD0009_202_1_20170929_00006.jpg



View looking upstream on the landside of the well maintained annual vegetation, Fall 2017.

LM Start	0.09	Rating **	A	Issue No.	1 (cont)
LM End	6.24	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2017_LD0009_202_1_20170929_00007.jpg



View looking downstream on the landside of the well maintained annual vegetation, Fall 2017.

LM Start	0.09	Rating **	A	Issue No.	2
LM End	6.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.170037 °	39.255775 °
				-121.622573 °	-121.636385 °
DWR ID	DWR_LD0009_01_f_2017_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Well maintained annual vegetation, Fall 2017.					

Photo 1 of 2 : FA_2017_LD0009_202_2_20170929_00009.jpg



View looking upstream on the waterside of the well maintained annual vegetation, Fall 2017.

* 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	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Levee District No. 0009 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter County, Feather River	Right	6.25	09/26/2017 09/26/2017	Sterling York

LM Start	0.09	Rating **	A	Issue No.	2 (cont)	
LM End	6.24	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			39.170037 °		39.255775 °
				-121.622573 °		-121.636385 °
DWR ID	DWR_LD0009_01_f_2017_2					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						
Well maintained annual vegetation, Fall 2017.						

Photo 2 of 2 : FA_2017_LD0009_202_2_20170929_00008.jpg



View looking downstream on the waterside of the well maintained annual vegetation, Fall 2017.

LM Start	0.09	Rating **	M	Issue No.	18
LM End	0.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.170064 °	39.170064 °
				-121.622563 °	-121.622563 °
DWR ID	DWR_LD0009_01_f_2016_18				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent activity was observed, holes need to be backfilled. Fall 2017.					

Photo 1 of 1 : FA_2017_LD0009_202_18_20170929_00010.jpg



View on landside of rodent activity and holes, Fall 2017.

LM Start	5.66	Rating **	M	Issue No.	20
LM End	6.00	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.247349 °	39.252258 °
				-121.637341 °	-121.637077 °
DWR ID	DWR_LD0009_01_f_2016_20				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 2 : FA_2017_LD0009_202_20_20170929_00011.jpg



View of ditch at the toe of the landside, looking upstream, Fall 2017.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable 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 2017

Levee District No. 0009 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter County, Feather River	Right	6.25	09/26/2017 09/26/2017	Sterling York

LM Start	5.66	Rating **	M	Issue No.	20 (cont)	
LM End	6.00	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			39.247349 °	39.252258 °	
				-121.637341 °	-121.637077 °	
DWR ID	DWR_LD0009_01_f_2016_20					
Comment Code						
DT : Ditch						
Inspector Comment						

Photo 2 of 2 : FA_2017_LD0009_202_20_20170911_00004.jpg



View of ditch at the toe of the landside, looking downstream.

LM Start	5.68	Rating **	M	Issue No.	11
LM End	5.68	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.247697 °	39.247697 °
				-121.637312 °	-121.637312 °
DWR ID	DWR_LD0009_01_s_2012_11				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 2 : FA_2017_LD0009_202_11_20170911_00001.jpg



Building at the waterside toe.

LM Start	5.68	Rating **	M	Issue No.	11 (cont)
LM End	5.68	Issue Type +	En	Location *	WS

Photo 2 of 2 : FA_2017_LD0009_202_11_20170911_00002.jpg



Building at the waterside toe looking downstream.

* 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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