

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

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

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	04/04/2017 04/04/2017	Sterling York

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_LD0001S_01_s_2013_4				
Comment Code					
Inspector Comment					
O&M manuals are stored at the district office at 243 2nd st, Yuba City, CA.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_LD0001S_01_s_2013_5				
Comment Code					
Inspector Comment					
Supplies and flood fight equipment are stored at the district office. They also went in with RD784 in their large stockpile of flood fight supplies located in their district.					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

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

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	04/04/2017 04/04/2017	Sterling York

LM Start		Rating **	A	Issue No.	6	
LM End		Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Flood Preparedness & Training				o	
					o	
DWR ID	DWR_LD0001S_01_s_2013_6					
Comment Code						
Inspector Comment						
Drew and the district employees attended the Flood Fight class put on by DWR and RD784 annually.						

No Photos

LM Start	0.01	Rating **	M	Issue No.	30
LM End	16.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.951109 °	39.168577 °
				-121.585711 °	-121.622691 °
DWR ID	DWR_LD0001S_01_f _ 2016_30				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual grasses need to be maintained. Spring 2017.					

Photo 1 of 1 : SP_2017_LD0001S_433_30_20170404_00061.jpg



View of annual grasses that need to be maintained. Spring 2017.

LM Start	0.01	Rating **	M	Issue No.	31
LM End	16.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.951109 °	39.168577 °
				-121.585711 °	-121.622691 °
DWR ID	DWR_LD0001S_01_f _ 2016_31				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual grasses need to be maintained. Spring 2017.					

Photo 1 of 1 : SP_2017_LD0001S_433_31_20170404_00060.jpg



View of annual grasses that need to be maintained. Fall 2016.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

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

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	04/04/2017 04/04/2017	Sterling York

LM Start	2.21	Rating **	M	Issue No.	492
LM End	2.21	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.982135 °	38.982135 °
				-121.591974 °	-121.591974 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:11383 DS_ID:17915 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker cap missing. Sump pump and gate valve at landward toe not found may be due to dense vegetation. FIELD_STRUCT_DESC: A 8-inch steel drainage pipe through levee, 4.6-feet below the crown. Siphon breaker in corrugated metal riser on landward slope.O&M Manual Sac 144, August 1955, Revision Year 2011. FS Date: 4/12/2013					

Photo 1 of 3 : UCIP_SP_2017_11383_18782.jpg



WS- 8-inch steel pipe and disconnected pvc pipe on levee slope

LM Start	2.21	Rating **	M	Issue No.	492 (cont)
LM End	2.21	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_11383_18781.jpg



WS-a disconnected pvc pipe on levee slope

* 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
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

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

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	04/04/2017 04/04/2017	Sterling York

LM Start	2.21	Rating **	M	Issue No.	492 (cont)
LM End	2.21	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.982135 °	38.982135 °
				-121.591974 °	-121.591974 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:11383 DS_ID:17915 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker cap missing. Sump pump and gate valve at landward toe not found may be due to dense vegetation. FIELD_STRUCT_DESC: A 8-inch steel drainage pipe through levee, 4.6-feet below the crown. Siphon breaker in corrugated metal riser on landward slope.O&M Manual Sac 144, August 1955, Revision Year 2011. FS Date: 4/12/2013					

Photo 3 of 3 : UCIP_SP_2017_11383_18780.jpg



LS- CMP riser on levee slope with dense vegetation.

LM Start	2.72	Rating **	A/W	Issue No.	17
LM End	2.72	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.989470 °	38.989470 °
				-121.592502 °	-121.592502 °
DWR ID	DWR_LD0001S_01_s_ 2015_17				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Animal activity is determined to be goffer not ground squirrel, continue to monitor. Spring 2017.					

Photo 1 of 2 : SP_2017_LD0001S_433_17_20170316_00005.jpg



View of rodent holes on the landside crown and slope. Fall 2016.

* 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

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

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	04/04/2017 04/04/2017	Sterling York

LM Start	2.72	Rating **	A/W	Issue No.	17 (cont)	
LM End	2.72	Issue Type +	Ma	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.989470 °		38.989470 °
				-121.592502 °		-121.592502 °
DWR ID	DWR_LD0001S_01_s_2015_17					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
Animal activity is determined to be goffer not ground squirrel, continue to monitor. Spring 2017.						

Photo 2 of 2 : SP_2017_LD0001S_433_17_20170404_00066.jpg



Animal activity is determined to be gopher not ground squirrel, continue to monitor. Spring 2017.

LM Start	4.41	Rating **	A/W	Issue No.	21
LM End	4.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.011493 °	39.011493 °
				-121.603623 °	-121.603623 °
DWR ID	DWR_LD0001S_01_f_2016_21				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
No erosion or separation on slope, continue to monitor, Spring 2017.					

Photo 1 of 2 : SP_2017_LD0001S_433_21_20170404_00065.jpg



No erosion or separation on the landside slope, continue to monitor, Spring 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
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

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

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	04/04/2017 04/04/2017	Sterling York

LM Start	4.41	Rating **	A/W	Issue No.	21 (cont)	
LM End	4.41	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			39.011493 °		39.011493 °
				-121.603623 °		-121.603623 °
DWR ID	DWR_LD0001S_01_f _ 2016_21					
Comment Code						
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.						
Inspector Comment						
No erosion or separation on slope, continue to monitor, Spring 2017.						

Photo 2 of 2 : SP_2017_LD0001S_433_21_20170316_00008.jpg



View of landside slope where vehicles have been driving up and down to go around gate. Fall 2016.

LM Start	4.41	Rating **	A/W	Issue No.	36
LM End	4.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.011493 °	39.011493 °
				-121.603624 °	-121.603624 °
DWR ID	DWR_LD0001S_01_f_2016_36				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
No erosion or separation on slope, continue to monitor, Spring 2017.					

Photo 1 of 2 : SP_2017_LD0001S_433_36_20170404_00067.jpg



View of waterside slope where vehicles in the past have used to access the crown. No erosion or separation on slope, continue to monitor, Spring 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
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

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

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	04/04/2017 04/04/2017	Sterling York

LM Start	4.41	Rating **	A/W	Issue No.	36 (cont)	
LM End	4.41	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			39.011493 °		39.011493 °
				-121.603624 °		-121.603624 °
DWR ID	DWR_LD0001S_01_f _ 2016_36					
Comment Code						
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.						
Inspector Comment						
No erosion or separation on slope, continue to monitor, Spring 2017.						

Photo 2 of 2 : SP_2017_LD0001S_433_36_20170316_00018.jpg



View of waterside slope where vehicles have been driving up and down to go around gate. Fall 2016.

LM Start	6.81	Rating **	M	Issue No.	20
LM End	6.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.043262 °	39.043262 °
				-121.611527 °	-121.611527 °
DWR ID	DWR_LD0001S_01_s_2017_20				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Large animal burrows on slope need to be repaired, Spring 2017.					

Photo 1 of 3 : SP_2017_LD0001S_433_20_20170404_00068.jpg



View of highest point on waterside slope of large animal burrow that needs to be repaired, Spring 2017.

* 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	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

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

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	04/04/2017 04/04/2017	Sterling York

LM Start	6.81	Rating **	M	Issue No.	20 (cont)	
LM End	6.81	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			39.043262 °		39.043262 °
				-121.611527 °		-121.611527 °
DWR ID	DWR_LD0001S_01_s_2017_20					
Comment Code						
A2 : Repair the levee slope damaged by livestock and prevent large animal access.						
Inspector Comment						
Large animal burrows on slope need to be repaired, Spring 2017.						

Photo 2 of 3 : SP_2017_LD0001S_433_20_20170404_00070.jpg



View of mid point on waterside slope of the same large animal burrow that needs to be repaired, Spring 2017.

LM Start	6.81	Rating **	M	Issue No.	20 (cont)
LM End	6.81	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP_2017_LD0001S_433_20_20170404_00071.jpg



View looking up from bottom of waterside slope at the same large animal burrow that needs to be repaired, Spring 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	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

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

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	04/04/2017 04/04/2017	Sterling York

LM Start	11.63	Rating **	M	Issue No.	42
LM End	11.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.109692 °	39.109692 °
				-121.607142 °	-121.607142 °
DWR ID	DWR_LD0001S_01_s_2016_42				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Erosion on the waterside slope caused by rain and foot traffic needs to be monitored. Fall 2016.					

LM Start	11.63	Rating **	M	Issue No.	42 (cont)
LM End	11.63	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2017_LD0001S_433_42_20170316_00023.jpg



Slope erosion due to rain on the waterside. Spring 2016.

Photo 2 of 2 : SP_2017_LD0001S_433_42_20170316_00024.jpg



View of where slope erosion due has occurred due to rain and foot traffic on the waterside. Fall 2016.

* 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
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

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

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	04/04/2017 04/04/2017	Sterling York

LM Start	12.28	Rating **	M	Issue No.	40
LM End	12.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.118530 °	39.118530 °
				-121.603455 °	-121.603455 °
DWR ID	DWR_LD0001S_01_f _2016_40				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_LD0001S_433_40_20170316_00021.jpg



View of landside slope at access gate that has been cut into by foot traffic. Fall 2016.

LM Start	13.25	Rating **	M	Issue No.	27
LM End	13.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.131827 °	39.131827 °
				-121.603233 °	-121.603233 °
DWR ID	DWR_LD0001S_01_f_2015_27				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Tree foliage hiding levee face/toe. Fall 2016.					

Photo 1 of 1 : SP_2017_LD0001S_433_27_20170316_00012.jpg



Tree at landside levee toe obstructing visibility. Fall 2016.

* 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
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

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

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	04/04/2017 04/04/2017	Sterling York

LM Start	13.34	Rating **	U	Issue No.	18
LM End	13.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.133050 °	39.133050 °
				-121.603813 °	-121.603813 °
DWR ID	DWR_LD0001S_01_f_ 2015_18				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Overgrown olive trees (6), buckeye (1) and oak trees (2) on slope of levee, branches touching and obscuring levee. Ivy obscuring slope.					

Photo 1 of 2 : SP_2017_LD0001S_433_18_20170316_00006.jpg



Trees and vegetation blocking visibility on the landside slope of the levee. Spring 2016.

LM Start	13.34	Rating **	U	Issue No.	18 (cont)
LM End	13.34	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_LD0001S_433_18_20170316_00007.jpg



Trees and vegetation blocking visibility. Spring 2016.

* 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	
---	--	--	--	--	--