

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2016 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0007

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

** 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

Spring 2016 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0007

Waterway		Bank	Unit Miles
Unit No. 01 Feather River		Right	11.90

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/5/2016 - 4/5/2016			
DWR Inspector	Sterling York			
Accompanied By	Sean Freitag			

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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start		Rating **	A	Issue No.	1
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			o	o
DWR ID	DWR_MA0007_01_s_2013_1				
Comment Code					
Inspector Comment					
The O&M manuals are located at the Sutter Maintenance Yard.					

No Photos

LM Start		Rating **	A	Issue No.	3
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			o	o
DWR ID	DWR_MA0007_01_s_2013_3				
Comment Code					
Inspector Comment					
Emergency supplies and equipment are stored at the Sutter Maintenance Yard.					

No Photos

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			o	o
DWR ID	DWR_MA0007_01_s_2013_4				
Comment Code					
Inspector Comment					
Sutter Maintenance Yard employees attend the annual Flood Fight class put on by DWR inspector Bob Duffy.					

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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	0.00	Rating **	A	Issue No.	70
LM End	11.89	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.310945 °	39.439675 °	
			-121.637647 °	-121.641432 °	
DWR ID	DWR_MA0007_01_s_2016_70				
Comment Code					
EQ : Equipment					
Inspector Comment					
MA0007 is currently under construction from levee mile 0.0 to 11.895 and has not been turned back over to the LMA.					

No Photos

LM Start	0.01	Rating **	M	Issue No.	66
LM End	1.73	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.311103 °	39.334487 °	
			-121.637605 °	-121.634109 °	
DWR ID	DWR_MA0007_01_s_2016_66				
Comment Code					
DT : Ditch					
Inspector Comment					

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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	0.03	Rating **	M	Issue No.	42
LM End	1.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.311297 °	39.334365 °
				-121.637490 °	-121.633975 °
DWR ID	DWR_MA0007_01_s_2012_42				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion along landward levee slope due to agricultural ditch.					

Photo 1 of 2 : SP_2016_MA0007_200_42_20160307_00007.jpg



This photo was taken from the levee crown facing north looking at the erosion along the landward levee slope due to an agricultural ditch. Spring 2014.

LM Start	0.03	Rating **	M	Issue No.	42 (cont)
LM End	1.72	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2016_MA0007_200_42_20160307_00008.jpg



Agricultural ditch landside slope and toe.

LM Start	0.44	Rating **	U	Issue No.	69
LM End	0.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.316557 °	39.316557 °
				-121.633722 °	-121.633722 °
DWR ID	DWR_MA0007_01_s_2016_69				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	0.47	Rating **	M	Issue No.	48
LM End	0.47	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.316950 °	39.316950 °
				-121.633438 °	-121.633438 °
DWR ID	DWR_MA0007_01_s_2015_48				
Comment Code					
TA : Tank					
Inspector Comment					

Photo 1 of 1 : SP_2016_MA0007_200_48_20160307_00011.jpg



This view of the tanks was taken looking at the waterside of the levee facing upstream.

LM Start	0.56	Rating **	M	Issue No.	68
LM End	0.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.317974 °	39.317974 °
				-121.632542 °	-121.632542 °
DWR ID	DWR_MA0007_01_s_2016_68				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	0.92	Rating **	M	Issue No.	67
LM End	0.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.323118 °	39.323118 °	
			-121.632205 °	-121.632205 °	
DWR ID	DWR_MA0007_01_s_2016_67				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2016_MA0007_200_67_20160418_00117.jpg



View of landside toe vegetation looking downstream.

LM Start	1.21	Rating **	U	Issue No.	33
LM End	1.21	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.327187 °	39.327187 °	
			-121.632395 °	-121.632395 °	
DWR ID	DWR_MA0007_01_s_2012_33				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2016_MA0007_200_33_20160307_00003.jpg



Levee mile 1.21. This is a photo of the building on the waterside 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
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Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	1.55	Rating **	M	Issue No.	77
LM End	1.55	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.331934 °	39.331934 °
				-121.633246 °	-121.633246 °
DWR ID					

Comment Code					

Inspector Comment

FS_ID:47833
 DS_ID:16928
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/10/2015 Same as last inspection.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends replacing in accordance with title 23.5/10/2013 Same as last inspection. LS scour behind structure needs to be repaired.10/31/2012 crossing appears abandoned, slide gate is missing on landward side; wood frame remains on LS; scour hole present on LS, 3 feet by 3 feet, near wood frame.
 FIELD_STRUCT_DESC: *ABANDONED* 12-inch corrugated metal pipe (CMP) through the levee, 8.2 feet below the crown. Slide gate on the landside (LS) is no longer present. Concrete "U" headwall at the waterside (WS) toe. Irrigation ditch located on LS.
 FS Date: 5/16/2016 10:21:28 AM

LM Start	1.55	Rating **	M	Issue No.	77 (cont)
LM End	1.55	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_47833_65802.jpg



Overview of levee crown looking upstream.

Photo 2 of 2 : UCIP_SP_2016_47833_65801.jpg



View of levee crown looking downstream.

* 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	1.55	Rating **	M	Issue No.	2
LM End	1.71	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.332000 °	39.334240 °
				-121.633178 °	-121.633908 °
DWR ID	DWR_MA0007_01_s_2016_2				
Comment Code					
Inspector Comment					
2011 - The toe of the levee has been excavated by the land owner. Small holes throughout the site have been filled with a plaster like substance. Large canal on landside slope and over the levee toe. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: FHR_47-5_R]					

No Photos

LM Start	1.71	Rating **	M	Issue No.	78
LM End	1.71	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.334294 °	39.334294 °
				-121.634008 °	-121.634008 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47834 DS_ID:20816 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/10/2015 Crossing has been modified since last inspection. 3' black plastic pipe is now running through the metal pipe and the difference was capped and welded. 12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal. Permit number and owner in detailed report book.5/7/2013 Same as last inspection. Recommend finding owner.10/30/2012 Crossing was installed about 1 foot deep--need permit authorizing work FIELD_STRUCT_DESC: 12-inch irrigation pipe through the levee 1 foot below the crown. Crossing on landside (LS) is attached to weir above ground. Siphon breaker on waterside (WS). No opening on WS. FS Date: 5/16/2016 10:21:55 AM					

Photo 1 of 2 : UCIP_SP_2016_47834_65806.jpg



Overview of levee crown looking upstream at crossing.

* 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	1.71	Rating **	M	Issue No.	78 (cont)
LM End	1.71	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.334294 °	39.334294 °
				-121.634008 °	-121.634008 °
DWR ID					
Comment Code					
Inspector Comment					
<p>FS_ID:47834 DS_ID:20816 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/10/2015 Crossing has been modified since last inspection. 3' black plastic pipe is now running through the metal pipe and the difference was capped and welded.</p> <p>12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal. Permit number and owner in detailed report book.5/7/2013 Same as last inspection. Recommend finding owner.10/30/2012 Crossing was installed about 1 foot deep--need permit authorizing work</p> <p>FIELD_STRUCT_DESC: 12-inch irrigation pipe through the levee 1 foot below the crown. Crossing on landside (LS) is attached to weir above ground. Siphon breaker on waterside (WS). No opening on WS. FS Date: 5/16/2016 10:21:55 AM</p>					

Photo 2 of 2 : UCIP_SP_2016_47834_65805.jpg



Exposed section of the pipe located on WS slope.

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

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	1.76	Rating **	M	Issue No.	71
LM End	1.76	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.334868 °	39.334868 °	
			-121.633773 °	-121.633773 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47836 DS_ID:16926 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/10/2015 Debris still present in risers and pipes were not replaced with the SBFCA project.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends replacing in accordance with title 23.5/7/2013 Same debris issue as last inspection. Recommend repairing top cover to prevent falls. Wheel to open gate chained and locked so could not verify gate operation.10/31/2012 Debris inside riser could prevent slide gate from closing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 however, no issues noted. FIELD_STRUCT_DESC: 1 of 2: 60-inch drain pipe through the levee, 12.5 feet below the crown. Slide gates in 78-inch corrugated metal pipe (CMP) wells on the waterside (WS) slope. Concrete bulkhead on both ends. Reinforced concrete spillway an the WS end. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 1+90). (USACE O&M Manual, 1957) FS Date: 5/16/2016 10:22:42 AM					

Photo 1 of 2 : UCIP_SP_2016_47836_65814.jpg



View of levee crown looking downstream.

LM Start	1.76	Rating **	M	Issue No.	71 (cont)
LM End	1.76	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_SP_2016_47836_65813.jpg



78-inch CMP risers located on WS slope. Upstream riser (far left) missing riser cover. Reinforced concrete spillway also located on WS end.

* 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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	1.76	Rating **	M	Issue No.	76
LM End	1.76	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.334886 °	39.334886 °	
			-121.633783 °	-121.633783 °	
DWR ID					

Comment Code

Inspector Comment

FS_ID:47837
 DS_ID:17011
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/10/2015 Debris still present inside riser and pipe was not replaced with the SBFCA project.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends replacing in accordance with title 23.5/7/2013 Same as last inspection. Recommend constructing cover to prevent falls. Wheel to operate gate chained and locked so gate operation could not be verified.10/31/2012 no cover; debris inside riser could prevent slide gate from closing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 however, no issues noted.
 FIELD_STRUCT_DESC: 2 of 2: 60-inch drain pipe through the levee, 12.5 feet below the crown. Slide gates in 78-inch corrugated metal pipe (CMP) wells on the waterside (WS) slope. Concrete bulkhead on both ends. Reinforced concrete spillway an the WS end. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 1+90). (USACE O&M Manual, 1957)
 FS Date: 5/16/2016 10:23:00 AM

LM Start	1.76	Rating **	M	Issue No.	76 (cont)
LM End	1.76	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_47837_65820.jpg



View of levee crown looking downstream.

Photo 2 of 2 : UCIP_SP_2016_47837_65819.jpg



78-inch CMP risers located on WS slope. Upstream riser (far left) missing riser cover. Reinforced concrete spillway also located on WS end.

* Location LS : Land Side 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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	1.77	Rating **	M	Issue No.	41
LM End	1.93	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.334962 °	39.337363 °	
			-121.633793 °	-121.633517 °	
DWR ID	DWR_MA0007_01_f_2015_41				
Comment Code					
PR : Prunings					
Inspector Comment					
SBFCA Is removing the trees as part of their ongoing construction project.					

Photo 1 of 1 : SP_2016_MA0007_200_41_20160307_00006.jpg



View of the down trees along the landside slope and toe.

LM Start	1.77	Rating **	M	Issue No.	43
LM End	1.97	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.334962 °	39.337780 °	
			-121.633793 °	-121.633107 °	
DWR ID	DWR_MA0007_01_f_2015_43				
Comment Code					
PR : Prunings					
Inspector Comment					
SBFCA Is removing the trees as part of the ongoing construction project					

Photo 1 of 1 : SP_2016_MA0007_200_43_20160307_00009.jpg



View of the down trees along the waterside slope and toe.

LM Start	1.93	Rating **	M	Issue No.	52
LM End	1.93	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.337336 °	39.337336 °	
			-121.633536 °	-121.633536 °	
DWR ID	DWR_MA0007_01_s_2015_52				
Comment Code					
PR : Prunings					
Inspector Comment					
SBFCA Is removing trees as part of their ongoing construction project.					

Photo 1 of 1 : SP_2016_MA0007_200_52_20160307_00014.jpg



View of the down trees along the landside slope and toe.

* Location LS : Land Side 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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Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	2.07	Rating **	M	Issue No.	44
LM End	2.07	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.339015 °	39.339015 °	
			-121.631950 °	-121.631950 °	
DWR ID	DWR_MA0007_01_f_2015_44				
Comment Code					
PR : Prunings					
Inspector Comment					

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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	2.24	Rating **	M	Issue No.	89 (cont)
LM End	2.24	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.341208 °	39.341208 °
				-121.630773 °	-121.630773 °
DWR ID					
Comment Code					
Inspector Comment					
<p>FS_ID:47998 DS_ID:16923 EP_NO: 18710 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as 1792+96, will be removed and replaced with a 36-inch pipe as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Small erosion still present around concrete standpipe. Think its just caused by rain runoff. 12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal.5/7/2013 Same as last inspection. Need to investigate source of WS erosion.10/31/2012 Erosion on WS around concrete standpipe--might be leaking. Burrow activity present on WS slope, unable to determine if structure is still being used. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0075 however, no issues noted. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe (CMP) irrigation line through the levee 12.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete distribution box at the WS toe. Second concrete distribution box connected to deep well pump located 400-500 feet from landside (LS) toe. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 28+00). (USACE O&M Manual, 1957) Permit No. 18710 was issued in 2011 for continued use of existing 24-inch irrigation pipe. (Permit No. 18710-2011, Sandra Waller) FS Date: 5/16/2016 10:24:00 AM</p>					

Photo 2 of 2 : UCIP_SP_2016_47998_65836.jpg



View of crossing and standpipe located on WS end.

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

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	2.36	Rating **	M	Issue No.	98
LM End	2.36	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.342859 °	39.342859 °
				-121.629909 °	-121.629909 °
DWR ID					

Comment Code					

Inspector Comment					
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FS_ID:47933
 DS_ID:20817
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. New gate valve, referenced as STA 1799+44, will be installed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Air vac is still bent over.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Air vac bent over and both metal posts are laying at toe of levee.5/13/2013 Permit number and owner in detailed report book.5/7/2013 Need to find owner of structure.10/30/2012 Need permit authorizing work.
 FIELD_STRUCT_DESC: Air vac on waterside (WS) shoulder protected by two metal posts. No other signs of encroachment are present.
 FS Date: 5/16/2016 10:24:00 AM

LM Start	2.36	Rating **	M	Issue No.	98 (cont)
LM End	2.36	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_47933_65844.jpg



Overview of levee crown looking downstream at crossing.

Photo 2 of 2 : UCIP_SP_2016_47933_65843.jpg



View of WS at crossing.

* 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	2.56	Rating **	M	Issue No.	90
LM End	2.56	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.345638 °	39.345638 °
				-121.629607 °	-121.629607 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:48000
 DS_ID:16910
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 1809+65, will be removed and replaced as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Pipe appears in good condition. No noticeable issues to report.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends replacing in accordance with title 23.5/7/2013 WS sediment blocking gate has been cleared so gate can operate normally. Recommend clearing sediment buildup at mouth of pipe on LS.10/31/2012 WS headwall may be present not visible due to soil cover. Sediment build up on LS headwall--clear. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0083 for inoperable gate.
 FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) pipe through the levee, 6.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall at both toes. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 44+50). (USACE O&M Manual, 1957)
 FS Date: 5/16/2016 10:25:00 AM

LM Start	2.56	Rating **	M	Issue No.	90 (cont)
LM End	2.56	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_48000_65849.jpg



View of levee crown looking upstream.

Photo 2 of 2 : UCIP_SP_2016_48000_65852.jpg



View of flap gate located on WS.

* Location LS : Land Side 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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	2.73	Rating **	U	Issue No.	91
LM End	2.73	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.347977 °	39.347977 °
				-121.630337 °	-121.630337 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:48001
 DS_ID:16921
 EP_NO: N/A
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 1818+72, will be removed and replaced with a 36-inch pipe as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Riser is still damaged and cant locate signs of pipe on LS.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/7/2013 Same as last inspection, rodent activity near crossing, need to repair rodent hole on WS.10/31/2012 CMP riser damage-repair needed. Unable to locate pipe on LS. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0090 however, no issues noted.
 FIELD_STRUCT_DESC: 24-inch corrugated metal pipe (CMP) drain pipe through the levee, 25.5 feet below the crown. Slide gate in 36-inch CMP riser on the waterside (WS) slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 52+50). (USACE O&M Manual, 1957)
 FS Date: 5/16/2016 10:25:00 AM

LM Start	2.73	Rating **	U	Issue No.	91 (cont)
LM End	2.73	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_48001_65855.jpg



Overview of levee crown looking upstream.

Photo 2 of 2 : UCIP_SP_2016_48001_65854.jpg



View of WS slope looking upstream. Matt is standing near CMP riser.

* Location LS : Land Side 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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	2.81	Rating **	M	Issue No.	99
LM End	2.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.349158 °	39.349158 °
				-121.630354 °	-121.630354 °
DWR ID					
Comment Code					
Inspector Comment					
<p>FS_ID:47937 DS_ID:16919 EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Both 12-inch and 24-inch, referenced as STA 1823+01, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Same as last inspection.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/7/2013 Same as last inspection. WS sediment drop above concrete stand pipe. Coordinate with owner and levee inspector to address issue.10/31/2012 dense burrow activity on crown and slopes. FIELD_STRUCT_DESC: 12-inch cement coated and lined steel sewer pipe sleeved through the existing 24-inch corrugated metal pipe (CMP). Annular space pressure grouted. A 36 inch diameter reinforced concrete pipe riser is located on the waterside (WS). (Permit No. 5722-1968, City of Gridley) The existing 24-inch CMP matches the Drainage or Irrigation structure referenced in the O&M manual (historic station 56+90, USACE O&M Manual, 1957) Per O&M manual the 24-inch CMP goes through levee at a depth of 21.4 feet below the crown. Slide gate in 36-inch reinforced concrete pipe riser located on the WS slope. FS Date: 5/16/2016 10:25:00 AM</p>					

Photo 1 of 2 : UCIP_SP_2016_47937_65864.jpg



Overview of levee crown looking upstream.

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

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	2.81	Rating **	M	Issue No.	99 (cont)
LM End	2.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.349158 °	39.349158 °
				-121.630354 °	-121.630354 °
DWR ID					
Comment Code					
Inspector Comment					
<p>FS_ID:47937 DS_ID:16919 EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Both 12-inch and 24-inch, referenced as STA 1823+01, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Same as last inspection.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/7/2013 Same as last inspection. WS sediment drop above concrete stand pipe. Coordinate with owner and levee inspector to address issue.10/31/2012 dense burrow activity on crown and slopes. FIELD_STRUCT_DESC: 12-inch cement coated and lined steel sewer pipe sleeved through the existing 24-inch corrugated metal pipe (CMP). Annular space pressure grouted. A 36 inch diameter reinforced concrete pipe riser is located on the waterside (WS). (Permit No. 5722-1968, City of Gridley) The existing 24-inch CMP matches the Drainage or Irrigation structure referenced in the O&M manual (historic station 56+90, USACE O&M Manual, 1957) Per O&M manual the 24-inch CMP goes through levee at a depth of 21.4 feet below the crown. Slide gate in 36-inch reinforced concrete pipe riser located on the WS slope. FS Date: 5/16/2016 10:25:00 AM</p>					

Photo 2 of 2 : UCIP_SP_2016_47937_65863.jpg



View of WS slope looking at crossing.

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

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	2.82	Rating **	M	Issue No.	65
LM End	2.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.349309 °	39.349309 °	
			-121.630374 °	-121.630374 °	
DWR ID	DWR_MA0007_01_s_2016_65				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_MA0007_200_65_20160418_00116.jpg



View looking downstream of ruts in landside slope due to vehicles.

LM Start	3.02	Rating **	M	Issue No.	100
LM End	3.02	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.352159 °	39.352159 °	
			-121.631209 °	-121.631209 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47981 DS_ID:16918 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. 12-inch and 24-inch crossings, referenced as STA 1834+42, will be removed and replaced with a 36-inch pipe as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Same as last inspection.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/7/2013 Structure does appear to be altered. Contact Levee Inspector to pursue NOV.10/31/2012 Unable to determine if this crossing has been altered, will need to coordinate with levee inspector. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0104 however, no issues reported. FIELD_STRUCT_DESC: Flap gate inside riser on the WS end. 12-inch pipe sleeved through existing 24-inch pipe. 24-inch corrugated metal (CM) drainpipe through the levee, 15.3 feet below the crown. A reinforced concrete pipe riser located on the waterside (WS). (USACE O&M Manual, 1957) FS Date: 5/16/2016 10:26:00 AM					

Photo 1 of 2 : UCIP_SP_2016_47981_65872.jpg



View of levee crown looking upstream at crossing.

* 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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	3.02	Rating **	M	Issue No.	100 (cont)
LM End	3.02	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.352159 °	39.352159 °
				-121.631209 °	-121.631209 °
DWR ID					
Comment Code					
Inspector Comment					
<p>FS_ID:47981 DS_ID:16918 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. 12-inch and 24-inch crossings, referenced as STA 1834+42, will be removed and replaced with a 36-inch pipe as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Same as last inspection.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/7/2013 Structure does appear to be altered. Contact Levee Inspector to pursue NOV.10/31/2012 Unable to determine if this crossing has been altered, will need to coordinate with levee inspector. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0104 however, no issues reported. FIELD_STRUCT_DESC: Flap gate inside riser on the WS end. 12-inch pipe sleeved through existing 24-inch pipe. 24-inch corrugated metal (CM) drainpipe through the levee, 15.3 feet below the crown. A reinforced concrete pipe riser located on the waterside (WS). (USACE O&M Manual, 1957) FS Date: 5/16/2016 10:26:00 AM</p>					

Photo 2 of 2 : UCIP_SP_2016_47981_65871.jpg



View of WS looking at crossing.

LM Start	3.63	Rating **	M	Issue No.	64
LM End	3.69	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.357818 °	39.358603 °
				-121.639157 °	-121.639648 °
DWR ID	DWR_MA0007_01_s_2016_64				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

No Photos

* Location LS : Land Side 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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	4.16	Rating **	M	Issue No.	63
LM End	4.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.363852 °	39.363852 °	
			-121.645149 °	-121.645149 °	
DWR ID	DWR_MA0007_01_s_2016_63				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	4.39	Rating **	M	Issue No.	39
LM End	5.34	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.366547 °	39.379961 °	
			-121.647523 °	-121.650632 °	
DWR ID	DWR_MA0007_01_s_2012_39				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 2 : SP_2016_MA0007_200_39_20160307_00004.jpg



Ag ditch landside slope and toe.

LM Start	4.39	Rating **	M	Issue No.	39 (cont)
LM End	5.34	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2016_MA0007_200_39_20160307_00005.jpg



This is a photo of the Ag ditch on the landside slope and toe.

* Location LS : Land Side 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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	4.39	Rating **	M	Issue No.	62
LM End	5.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.366589 °	39.380473 °	
			-121.647526 °	-121.644647 °	
DWR ID	DWR_MA0007_01_s_2016_62				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.39	Rating **	M	Issue No.	6
LM End	4.46	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		39.366726 °	39.367606 °	
			-121.647217 °	-121.647866 °	
DWR ID	DWR_MA0007_01_s_2016_6				
Comment Code					
Inspector Comment					
2012 - Oversteepened slope with failing rock (from repair completed in 1954). Likely slope stability issues. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: FHR_50-9_R]					

No Photos

LM Start	4.73	Rating **	C	Issue No.	54
LM End	4.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.371140 °	39.371140 °	
			-121.649897 °	-121.649897 °	
DWR ID	DWR_MA0007_01_s_2015_54				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	4.92	Rating **	M	Issue No.	92
LM End	4.92	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.373851 °	39.373851 °
				-121.650322 °	-121.650322 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:48003
 DS_ID:16943
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 1934+54, will be removed and replaced with a 12-inch pipe as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Pipe has been removed during the SBFCA project. It was originally listed to be replaced so it may be added back in on a later date.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/10/2013 Barrel down inside standpipe. Slide gate difficult to operate.11/5/2012 burrow activity on WS slope. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0160 no issues reported.
 FIELD_STRUCT_DESC: 24-inch (not 42-inch) corrugated metal pipe (CMP) drain through the levee 13.6 feet below the crown. Concrete distribution box with slide gate inside located on waterside (WS). 36-inch pipe goes through the WS berm.
 FS Date: 5/16/2016 10:28:00 AM

LM Start	4.92	Rating **	M	Issue No.	92 (cont)
LM End	4.92	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_48003_65891.jpg



Overview of levee crown and slopes at crossing looking upstream.

Photo 2 of 2 : UCIP_SP_2016_48003_65890.jpg



View of concrete distribution box with slide gate inside.

* 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	5.33	Rating **	M	Issue No.	93
LM End	5.33	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.379838 °	39.379838 °
				-121.650611 °	-121.650611 °
DWR ID					
Comment Code					
Inspector Comment					
<p>FS_ID:48004 DS_ID:16920 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 1956+20, will be removed and replaced with a 36-inch pipe as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Unable to locate any signs of this crossing during this inspection. Looks to have been removed for the SBFCA project.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/10/2013 Same as last inspection.11/5/2012 No access to LS--residential property; unable to determine the type of abandonment for this crossing; need to determine if there is a positive closure device on WS. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0173 unknown. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal (CM) irrigation pipe through the levee, 14.0 feet below the crown. Slide gate on the landside (LS). Slide gate in concrete pipe riser on the waterside (WS) berm. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 191+13). (USACE O&M Manual, 1957) FS Date: 5/16/2016 10:29:00 AM</p>					

Photo 1 of 2 : UCIP_SP_2016_48004_65903.jpg



View of WS.

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

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	5.33	Rating **	M	Issue No.	93 (cont)
LM End	5.33	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.379838 °	39.379838 °
				-121.650611 °	-121.650611 °
DWR ID					
Comment Code					
Inspector Comment					
<p>FS_ID:48004 DS_ID:16920 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 1956+20, will be removed and replaced with a 36-inch pipe as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Unable to locate any signs of this crossing during this inspection. Looks to have been removed for the SBFCA project.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/10/2013 Same as last inspection.11/5/2012 No access to LS--residential property; unable to determine the type of abandonment for this crossing; need to determine if there is a positive closure device on WS. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0173 unknown. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal (CM) irrigation pipe through the levee, 14.0 feet below the crown. Slide gate on the landside (LS). Slide gate in concrete pipe riser on the waterside (WS) berm. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 191+13). (USACE O&M Manual, 1957) FS Date: 5/16/2016 10:29:00 AM</p>					

Photo 2 of 2 : UCIP_SP_2016_48004_65902.jpg



View of LS--no access.

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

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	5.40	Rating **	C	Issue No.	5
LM End	6.00	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.380272 °	39.380527 °	
			-121.649622 °	-121.638423 °	
DWR ID	DWR_MA0007_01_f_2012_5				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					
This site is property of Cilker Revocable Trust, it has an encroachment violation notice dated 7-23-2012, enforcement action : 2011-321. The stockpile has been removed, excavation at the levee toe is still present.					

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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	5.42	Rating **	M	Issue No.	94
LM End	5.42	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.380377 °	39.380377 °
				-121.649344 °	-121.649344 °
DWR ID					
Comment Code					
Inspector Comment					
<p>FS_ID:48005 DS_ID:16922 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 1961+03, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5. The 2-60 inch pipes will be replaced with a single 36-inch pipe.6/10/2015 Sediment still blocking the flap gates on WS. LS inlet ebng overgrown by vegetation in the ditch.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/10/2013 Same as last inspection.11/5/2012 Sediment blocking flap gates on WS--need to clear sediment. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0180 no issues reported. FIELD_STRUCT_DESC: 1 of 2: 60 inch pipe (downstream pipe), through the levee, 23.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. Ditch at WS outlet. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 195+80). (USACE O&M Manual, 1957) FS Date: 5/16/2016 10:29:00 AM</p>					

Photo 1 of 2 : UCIP_SP_2016_48005_65904.jpg



View of WS. Concrete headwall located at levee toe.

LM Start	5.42	Rating **	M	Issue No.	94 (cont)
LM End	5.42	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_SP_2016_48005_65905.jpg



View of headwall structure on WS. Sediment built up

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

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	5.42	Rating **	M	Issue No.	95
LM End	5.42	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.380377 °	39.380377 °
				-121.649319 °	-121.649319 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:48006
DS_ID:17013
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 1961+10, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5. The 2-60 inch pipes will be replaced with a single 36-inch pipe.6/10/2015 Sediment still blocking the flap gates on WS. LS inlet being overgrown by vegetation in the ditch.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/10/2013 Same as last inspection.11/5/2012 Sediment blocking flap gate--need to remove sediment to make flap gates operational.
FIELD_STRUCT_DESC: 2 of 2: 60 inch pipe (upstream pipe), through the levee, 23.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. Ditch located at WS outlet. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 195+80). (USACE O&M Manual, 1957)
FS Date: 5/16/2016 10:29:00 AM

LM Start	5.42	Rating **	M	Issue No.	95 (cont)
LM End	5.42	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_48006_65911.jpg



View of WS with clear slope.

Photo 2 of 2 : UCIP_SP_2016_48006_65910.jpg



View of headwall and flap gates located on WS.

* Location LS : Land Side 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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	6.28	Rating **	M	Issue No.	61
LM End	7.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.383748 °	39.393657 °	
			-121.635700 °	-121.626702 °	
DWR ID	DWR_MA0007_01_s_2016_61				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	6.28	Rating **	M	Issue No.	60
LM End	7.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.383801 °	39.393657 °	
			-121.635660 °	-121.626701 °	
DWR ID	DWR_MA0007_01_s_2016_60				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.54	Rating **	M	Issue No.	59
LM End	7.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.396185 °	39.396185 °	
			-121.629857 °	-121.629857 °	
DWR ID	DWR_MA0007_01_s_2016_59				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	7.59	Rating **	M	Issue No.	58
LM End	7.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.396768 °	39.396768 °	
			-121.630039 °	-121.630039 °	
DWR ID	DWR_MA0007_01_s_2016_58				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_MA0007_200_58_20160418_00111.jpg



Ruts in landside slope from equipment looking downstream.

LM Start	7.65	Rating **	M	Issue No.	57
LM End	7.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.397706 °	39.397706 °	
			-121.630337 °	-121.630337 °	
DWR ID	DWR_MA0007_01_s_2016_57				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_MA0007_200_57_20160418_00110.jpg



Ruts in landside slope from equipment.

* 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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	7.70	Rating **	M	Issue No.	96
LM End	7.70	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.398336 °	39.398336 °
				-121.630529 °	-121.630529 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:48007 DS_ID:16960 EP_NO: 17895 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2084+03, will be removed and replaced as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Minor erodin still present near air vent.12/30/2014 Same as last inspection.5/19/2014 Same as last inspection.11/7/2013 Same as last inspection.11/5/2012 localized erosion at air vent located on WS shoulder; this crossing appears to have leaking at the air vent--will need to determine reason for erosion at air vent (vehicles going over vent?); also recommend installing utility marker. FIELD_STRUCT_DESC: 5-inch diameter steel irrigation pipe through the right (west) bank levee and connect to existing pipe within the overflow area of the Feather River. (Permit No. 17895-2005, John Kucek) FS Date: 5/16/2016 10:30:00 AM					

Photo 1 of 2 : UCIP_SP_2016_48007_65923.jpg



View of LS and levee crown looking upstream towards crossing.

LM Start	7.70	Rating **	M	Issue No.	96 (cont)
LM End	7.70	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_48007_65922.jpg



View of WS and levee crown looking upstream towards crossing.

* 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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	8.45	Rating **	U	Issue No.	72
LM End	8.45	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.404475 °	39.404475 °
				-121.636958 °	-121.636958 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47872 DS_ID:23096 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/10/2015 Same as last inspection.12/30/2014 Same as last inspection.5/19/2014 Same as last inspection.11/7/2013 Same as last inspection.5/9/2013 Depression along WS slope that could indicate a leak or poor compaction. Unknown permit number need to coordinate with landowner to find out more info. FIELD_STRUCT_DESC: Irrigation crossing through levee depth unknown. Steel stand pipe located on landside (LS) toe. Also present is 4.5 inch PVC pipe near stand pipe located on LS toe. FS Date: 5/16/2016 10:31:33 AM					

Photo 1 of 2 : UCIP_SP_2016_47872_65926.jpg



Overview from crown looking U/S

LM Start	8.45	Rating **	U	Issue No.	72 (cont)
LM End	8.45	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_47872_65925.jpg



LS 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	8.61	Rating **	M	Issue No.	73
LM End	8.61	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.406614 °	39.406614 °
				-121.637384 °	-121.637384 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47873 DS_ID:23094 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/10/2015 same as last inspection.12/30/2014 Same as last inspection.5/19/2014 Same as last inspection.11/7/2013 Same as last inspection.5/9/2013 Unkown permit coordinate with landowner to find out more information. FIELD_STRUCT_DESC: Unknown irrigation pipe size at unknown depth. Pipe capped with valve inside of 6 inch steel standpipe on landside (LS) shoulder. FS Date: 5/16/2016 10:31:49 AM					

Photo 1 of 2 : UCIP_SP_2016_47873_65930.jpg



Overview looking D/S

LM Start	8.61	Rating **	M	Issue No.	73 (cont)
LM End	8.61	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_47873_65929.jpg



LS slope with steel standpipe

* 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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	9.15	Rating **	M	Issue No.	55
LM End	9.63	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.412676 °	39.416409 °
				-121.634695 °	-121.634077 °
DWR ID	DWR_MA0007_01_s_2016_55				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2016_MA0007_200_55_20160418_00109.jpg



Pruning's from trees that are being removed from right-of-way, Spring 2016.

LM Start	9.16	Rating **	M	Issue No.	56
LM End	9.16	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.412707 °	39.412707 °
				-121.634651 °	-121.634651 °
DWR ID	DWR_MA0007_01_s_2016_56				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	9.53	Rating **	M	Issue No.	80
LM End	9.53	Issue Type +	En	Location *	CR
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.416284 °	39.416284 °	
			-121.632224 °	-121.632224 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47989 DS_ID:16948 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/11/2015 WS standpipe was overgrown with blackberries and unable to be inspected.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/10/2013 Same as last inspection. Cleared back some of the black berries but live birds nest on ladder prevented me from inspecting inside of standpipe. Recommend spraying the black berries to clear path to ladder.11/5/2012 unable to determine the condition of the slide gate inside WS concrete standpipe blackberry shrubs overgrown against access latter. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 14.0 feet below the crown. Slide gate in 36-inch concrete standpipe at the waterside (WS)toe. Concrete distribution box at the landside (LS) toe. FS Date: 5/16/2016 10:32:00 AM					

Photo 1 of 2 : UCIP_SP_2016_47989_65939.jpg



WS view of concrete standpipe with blackberry shrubs preventing access to latter.

LM Start	9.53	Rating **	M	Issue No.	80 (cont)
LM End	9.53	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP_SP_2016_47989_65940.jpg



View of WS and levee shoulder looking upstream at crossing. Crossing appurtenances include concrete riser and power pole.

* 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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	9.65	Rating **	U	Issue No.	45
LM End	9.65	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.416384 °	39.416384 °	
			-121.634503 °	-121.634503 °	
DWR ID	DWR_MA0007_01_s_2012_45				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2016_MA0007_200_45_20160307_00010.jpg



This photo shows a building at the landside toe.

LM Start	9.67	Rating **	M	Issue No.	53
LM End	9.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.416594 °	39.416594 °	
			-121.634758 °	-121.634758 °	
DWR ID	DWR_MA0007_01_s_2016_53				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2016_MA0007_200_53_20160418_00108.jpg



Ruts on waterside slope caused by equipment, 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	9.69	Rating **	M	Issue No.	51
LM End	9.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.416864 °	39.416864 °
				-121.634822 °	-121.634822 °
DWR ID	DWR_MA0007_01_s_2014_51				
Comment Code					
DE : Debris					
Inspector Comment					
Irrigation pipe on landward levee slope. Spring 2014.					

Photo 1 of 1 : SP_2016_MA0007_200_51_20160307_00013.jpg



This photo was taken from the levee crown facing north looking at irrigation pipe placed on the levee slope near the landward toe. Spring 2014.

LM Start	9.69	Rating **	M	Issue No.	49
LM End	9.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.416878 °	39.418641 °
				-121.634787 °	-121.634865 °
DWR ID	DWR_MA0007_01_s_2016_49				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2016_MA0007_200_49_20160418_00107.jpg



View looking downstream of pruning's at landside toe.

* 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	9.82	Rating **	C	Issue No.	50
LM End	9.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.418720 °	39.418720 °
				-121.634927 °	-121.634927 °
DWR ID	DWR_MA0007_01_f_2015_50				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside toe.					

No Photos

LM Start	9.97	Rating **	M	Issue No.	81
LM End	9.97	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.420736 °	39.420736 °
				-121.635321 °	-121.635321 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47990 DS_ID:16947 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2201+87, will be removed and replaced as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 Abandoned crossing. SBFCa project recommends removal.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCa project recommends removal.5/10/2013 Same as last inspection.11/5/2012 Crossing appears to be abandoned; slide gate located inside concrete standpipe is buried with trash; no other features were visible during inspection. This crossing needs to be properly abandoned. FIELD_STRUCT_DESC: *ABANDONED* 10-inch reinforced concrete encased steel irrigation pipe through the levee, 14.5 feet below the crown. Slide gate in 24-inch concrete standpipe at the waterside (WS) toe. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 437+30). (USACE O&M Manual, 1957) FS Date: 5/16/2016 10:32:00 AM					

Photo 1 of 2 : UCIP_SP_2016_47990_65946.jpg



View of LS and levee crown looking upstream at crossing.

* 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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	9.97	Rating **	M	Issue No.	81 (cont)
LM End	9.97	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.420736 °	39.420736 °
				-121.635321 °	-121.635321 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47990 DS_ID:16947 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2201+87, will be removed and replaced as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 Abandoned crossing. SBFCA project recommends removal.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal.5/10/2013 Same as last inspection.11/5/2012 Crossing appears to be abandoned; slide gate located inside concrete standpipe is buried with trash; no other features were visible during inspection. This crossing needs to be properly abandoned. FIELD_STRUCT_DESC: *ABANDONED* 10-inch reinforced concrete encased steel irrigation pipe through the levee, 14.5 feet below the crown. Slide gate in 24-inch concrete standpipe at the waterside (WS) toe. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 437+30). (USACE O&M Manual, 1957) FS Date: 5/16/2016 10:32:00 AM					

Photo 2 of 2 : UCIP_SP_2016_47990_65945.jpg



View of WS shoulder and slope looking upstream at crossing.

* 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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	10.10	Rating **	M	Issue No.	75
LM End	10.10	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.420905 °	39.420905 °
				-121.637707 °	-121.637707 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47878 DS_ID:16946 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/11/2015 Same as last inspection.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal.5/10/2013 Same as last inspection.11/5/2012 unable to determine if this crossing still is in use, signs of depression on waterward shoulder, pump located on LS (GW?) valve on waterward toe. No slide gate or concrete standpipe present; structure appears to have been modified--need permit issued for modifications. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 14.5 feet below the crown. Slide gate in concrete standpipe and pump on the landside (LS). FS Date: 5/16/2016 10:32:59 AM					

Photo 1 of 2 : UCIP_SP_2016_47878_65947.jpg



View of LS and levee slope. Pump located on LS toe--GW pump or part of structure.

LM Start	10.10	Rating **	M	Issue No.	75 (cont)
LM End	10.10	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_47878_65952.jpg



View of WS and levee crown looking upstream at crossing.

* 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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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	10.37	Rating **	M	Issue No.	47
LM End	10.53	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		39.424650 °	39.426682 °	
			-121.638862 °	-121.639426 °	
DWR ID	DWR_MA0007_01_s_2016_47				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

LM Start	10.68	Rating **	M	Issue No.	82
LM End	10.68	Issue Type +	En	Location *	CR
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.426781 °	39.426781 °	
			-121.642078 °	-121.642078 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47991 DS_ID:16933 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2239+66, will be removed as indicared in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 Still unable to find anything on the LS. SBFCA project recommends removal.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal.5/10/2013 Same as last inspection.11/5/2012 nothing found on LS-residential; no headwall found on LS--has it been buried? Need to investigate if crossing is here. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0314 no issues reported. FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) drainpipe through the levee, 14.5 feet below the crown. Concrete headwall at both toes. Flap gate in 36-inch concrete standpipe on the berm. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 471+26). (USACE O&M Manual, 1957) FS Date: 5/16/2016 10:33:00 AM					

Photo 1 of 2 : UCIP_SP_2016_47991_65953.jpg



View of LS--no signs of crossing or appurtances are present.

* 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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	11.08	Rating **	M	Issue No.	86
LM End	11.08	Issue Type +	En	Location *	CR
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.431546 °	39.431546 °	
			-121.645474 °	-121.645474 °	
DWR ID					
Comment Code					
Inspector Comment					
<p>FS_ID:47958 DS_ID:16939 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2260+55, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 Both pipe ends are beeing overgrown by vegetation and are getting hard to inspect. Vegetation needs to be cleared away.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/10/2013 Same as last inspection. Talking with farmer he said the pipe may be getting removed.11/5/2012 flash boards missing on LS. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0332 no issues reported. FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) drainpipe through the levee. 18.9 feet below the crown. Flap gate on the waterside (WS) end. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 494+50). (USACE O&M Manual, 1957) FS Date: 5/16/2016 10:34:00 AM</p>					

Photo 1 of 2 : UCIP_SP_2016_47958_65974.jpg



View of LS looking upstream at crossing.

LM Start	11.08	Rating **	M	Issue No.	86 (cont)
LM End	11.08	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP_SP_2016_47958_65973.jpg



View of WS looking upstream at crossing.

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

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	11.08	Rating **	C	Issue No.	15
LM End	11.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.431591 °	39.431591 °
				-121.645477 °	-121.645477 °
DWR ID	DWR_MA0007_01_s_2013_15				
Comment Code					
BU : Building					
Inspector Comment					
Building appears to be abandoned.					

No Photos

LM Start	11.12	Rating **	M	Issue No.	85
LM End	11.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.432143 °	39.432143 °
				-121.645516 °	-121.645516 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47994 DS_ID:16938 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2262+69, will be removed and replaced with a new 36-inch pipe as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 Scour still present near the WS apron. 12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/10/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.11/5/2012 burrow activity near headwall on LS; scour near concrete apron and below apron; This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0336 no issues reported. FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) drainpipe through the levee, 15.8 feet below the crown. Concrete headwall at both toes. Flap gate on the waterside (WS) end. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 496+20). (USACE O&M Manual, 1957) FS Date: 5/16/2016 10:35:00 AM					

Photo 1 of 2 : UCIP_SP_2016_47994_65979.jpg



View of LS looking upstream at crossing.

* 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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	11.12	Rating **	M	Issue No.	85 (cont)
LM End	11.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.432143 °	39.432143 °
				-121.645516 °	-121.645516 °
DWR ID					
Comment Code					
Inspector Comment					
<p>FS_ID:47994 DS_ID:16938 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2262+69, will be removed and replaced with a new 36-inch pipe as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 Scour still present near the WS apron. 12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/10/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.11/5/2012 burrow activity near headwall on LS; scour near concrete apron and below apron; This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0336 no issues reported. FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) drainpipe through the levee, 15.8 feet below the crown. Concrete headwall at both toes. Flap gate on the waterside (WS) end. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 496+20). (USACE O&M Manual, 1957) FS Date: 5/16/2016 10:35:00 AM</p>					

Photo 2 of 2 : UCIP_SP_2016_47994_65978.jpg



View of WS looking upstream at crossing.

LM Start	11.15	Rating **	M	Issue No.	46
LM End	11.15	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.432582 °	39.432582 °
				-121.645546 °	-121.645546 °
DWR ID	DWR_MA0007_01_s_2016_46				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

Photo 1 of 1 : SP_2016_MA0007_200_46_20160418_00105.jpg



Depression in the levee is being filled as part of the reconstruction.

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

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	11.23	Rating **	M	Issue No.	87
LM End	11.23	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.433674 °	39.433674 °
				-121.645591 °	-121.645591 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47960
 DS_ID:16937
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2268+27, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 Abandoned crossing. SBFCA project recommends removal.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal.5/10/2013 Same as last inspection.11/5/2012 Abandoned pipe-need to properly abandon structure; CMP riser cover missing on WS; WS pipe filled with concrete; LS crossing not visible.
 FIELD_STRUCT_DESC: *ABANDONED* 24-inch reinforced concrete encased corrugated metal (CM) irrigation pipe through the levee, 19.5 feet below the crown. Concrete headwall at the landside (LS) toe. Slide gate in 36-inch CM riser on the waterside (WS) slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 502+20). (USACE O&M Manual, 1957)
 FS Date: 5/16/2016 10:56:00 AM

LM Start	11.23	Rating **	M	Issue No.	87 (cont)
LM End	11.23	Issue Type +	En	Location *	CR

Photo 1 of 2 : UCIP_SP_2016_47960_65987.jpg



View of LS looking upstream at crossing.

Photo 2 of 2 : UCIP_SP_2016_47960_65985.jpg



View of WS looking upstream at crossing.

* Location LS : Land Side 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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	11.35	Rating **	M	Issue No.	97
LM End	11.35	Issue Type +	En	Location *	CR
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.435497 °	39.435497 °	
			-121.645712 °	-121.645712 °	
DWR ID					

Comment Code

Inspector Comment

FS_ID:48009
 DS_ID:16936
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2274+86, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 LS inlet is still mostly buried with soil. SBFCA project recommends removal.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.5/13/2013 SBFCA project recommends removal.5/10/2013 Same as last inspection. LS inlet excavated but more than 50% still covered by soil.11/7/2013 Same as last inspection.11/5/2012 Non-fuctional crossing LS inlet buried; WS-debris in CMP riser, riser missing lid; This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0344 for pipes filled > 50 % with soil. FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) drainpipe through the levee, 16.2 feet below the crown. Concrete headwall at both waterside (WS) and landside (LS) toes. Flap gate on the WS end. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 508+40). (USACE O&M Manual, 1957)
 FS Date: 5/16/2016 10:57:00 AM

LM Start	11.35	Rating **	M	Issue No.	97 (cont)
LM End	11.35	Issue Type +	En	Location *	CR

Photo 1 of 2 : UCIP_SP_2016_48009_65990.jpg



View of LS looking upstream at crossing.

Photo 2 of 2 : UCIP_SP_2016_48009_65994.jpg



View of WS looking upstream at crossing.

* Location LS : Land Side WS : Water Side CR : Crown N/A : Not Applicable	** 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 - Spring 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	04/05/2016 04/05/2016	Sterling York

LM Start	11.49	Rating **	M	Issue No.	40
LM End	11.49	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.437454 °	39.437454 °	
			-121.646024 °	-121.646024 °	
DWR ID	DWR_MA0007_01_s_2016_40				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2016_MA0007_200_40_20160418_00104.jpg



View showing structure, waterside, looking downstream.

LM Start	11.51	Rating **	M	Issue No.	88
LM End	11.51	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.437766 °	39.437766 °	
			-121.646196 °	-121.646196 °	
DWR ID					
Comment Code					
Inspector Comment					
<p>FS_ID:47997 DS_ID:16934 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2283+95, will be removed and replaced as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 same as last inspection.12/30/2014 Same as last inspection.11/7/2013 Same as last inspection. Metal cone structure on WS was removed and a flapgate was under it.5/20/2014 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/10/2013 Same as last inspection. Burrow activity above WS riser.11/5/2012 unable to determine the condition of the slide gate inside riser--need to determine condition. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0355 no issues reported. FIELD_STRUCT_DESC: 24-inch reinforced concrete encased corrugated metal (CM) irrigation pipe through the levee, 18.8 feet below the crown. Slide gate in 36-inch CM riser on the waterside (WS) slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 517+40). (USACE O&M Manual, 1957) FS Date: 5/16/2016 3:33:31 PM</p>					

Photo 1 of 2 : UCIP_SP_2016_47997_65996.jpg



View of LS looking upstream at crossing.

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