Flood Control Project Maintenance
Levee Inspections

Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

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

MA0007 **Sutter Maintenance Yard Maintenance Area 0007**	Overall LMA Rating	Total LMA Miles						
	M	**11.90**						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.12		0.12	1.01%				
Trim / Thin Trees		0.01	0.04	0.34%				
Encroachments					2.71	0.02		
Erosion / Bank Caving	1.70		1.70	14.29%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.23		0.23	1.93%				
DWR UCIP Field Study					0.28	0.02		
LMA Totals:	2.05	0.01	2.09	17.57%	2.99	0.04	0.00	0.00

Unit No. 01 Feather River RB MA0007	Overall Unit Rating	Total Unit Miles						
	M	**11.90**						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.12		0.12	1.01%				
Trim / Thin Trees		0.01	0.04	0.34%				
Encroachments					2.71	0.02		
Erosion / Bank Caving	1.70		1.70	14.29%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.23		0.23	1.93%				
DWR UCIP Field Study					0.28	0.02		
Unit Totals:	2.05	0.01	2.09	17.57%	2.99	0.04	0.00	0.00

Flood Control Project Maintenance
Levee Inspections

LMA District Cover Sheet

Fall 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)			**M**	

** 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 indiction of risk.

Comments

Flood Control Project Maintenance
Levee Inspections

Unit Cover Sheet

Fall 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)			**M**	
Date of Inspection	4/5/2016 - 4/5/2016		9/7/2016 - 9/8/2016	
DWR Inspector	Sterling York		Sterling York	
Accompanied By	Sean Freitag		Shawn Freitag Sutter Maintenance Yard	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:
a) completion of the inspection
b) any changes other than the results of normal maintenance
c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	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			° °	° °
DWR ID	DWR_MA0007_01_s _ 2013_1				

Comment Code

Inspector Comment

There will be new O&M manuals when the levee is turned back over to the LMA after construction is complete. 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			° °	° °
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			° °	° °
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	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	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	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	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

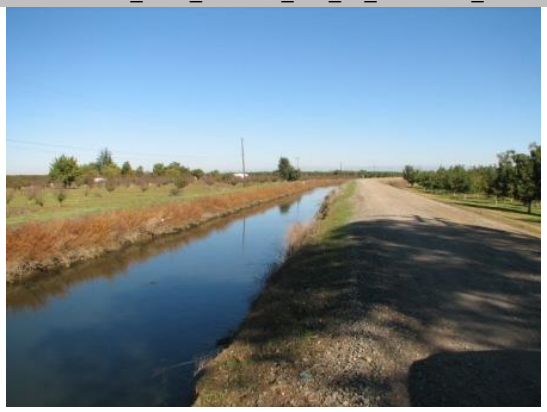
Erosion along landward levee slope due to agricultural ditch.

Photo 1 of 2 : FA_2016_MA0007_200_42_20160906_00006.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 : FA_2016_MA0007_200_42_20160906_00007.jpg



Agricultural ditch landside slope and toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**0.31**	Rating **	N	Issue No.	**69**
LM End	**0.37**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.314991 °	39.315693 °
				-121.635038 °	-121.634459 °
DWR ID	DWR_MA0007_01_s _ 2016_69				

Comment Code

T5 : Tree stumps.

Inspector Comment

Several tree stumps at levee toe.

Photo 1 of 1 : FA_2016_MA0007_200_69_20160912_00125.jpg

View looking downstream of several tree stumps at the levee toe on the waterside.

LM Start	**0.44**	Rating **	U	Issue No.	**72**
LM End	**0.44**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.316527 °	39.316527 °
				-121.633800 °	-121.633800 °
DWR ID	DWR_MA0007_01_f _ 2016_72				

Comment Code

T5 : Tree stumps.

Inspector Comment

This stump is next to the canal on the landside and is decomposing and needs to be removed.

Photo 1 of 1 : FA_2016_MA0007_200_72_20160923_00126.jpg

View of a stump on the landside slope looking downstream. This stump is next to the canal on the landside and is decomposing and needs to be removed.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**0.47**	Rating **	M	Issue No.	**48**
LM End	**0.47**	Issue Type +	En	Location *	LS
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 : FA_2016_MA0007_200_48_20160906_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

Eroding slope due to irrigation ditch on landside slope, looking downstream.

Photo 1 of 1 : FA_2016_MA0007_200_68_20160912_00124.jpg

View of eroding slope due to irrigation ditch on landside slope, looking downstream.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**0.92**	Rating **	A/W	Issue No.	**67**
LM End	**0.92**	Issue Type +	Ma	Location *	LS
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 : FA_2016_MA0007_200_67_20160906_00020.jpg

View of landside toe vegetation looking downstream.

LM Start	**1.00**	Rating **	M	Issue No.	**71**
LM End	**1.12**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.324172 °	39.325938 °
				-121.631792 °	-121.631853 °
DWR ID	DWR_MA0007_01_f _ 2016_71				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Waterside annual grasses that need to be maintained.

Photo 1 of 1 : FA_2016_MA0007_200_71_20160912_00123.jpg

View of waterside annual grasses that need to be maintained. Looking downstream.

LM Start	**1.14**	Rating **	A	Issue No.	**38**
LM End	**10.68**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.326177 °	39.426842 °
				-121.631967 °	-121.642087 °
DWR ID	DWR_MA0007_01_f _ 2016_38				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Maintained annual grasses.

Photo 1 of 1 : FA_2016_MA0007_200_38_20160912_00122.jpg

View looking downstream of maintained annual grasses.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**1.14**	Rating **	A	Issue No.	**37**
LM End	**10.68**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.326177 °	39.426843 °
				-121.631968 °	-121.642087 °
DWR ID	DWR_MA0007_01_f _ 2016_37				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Maintained annual grasses.

Photo 1 of 1 : FA_2016_MA0007_200_37_20160912_00121.jpg

View looking downstream of maintained annual grasses.

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 : FA_2016_MA0007_200_33_20160906_00001.jpg

Levee mile 1.21. This is a photo of the building on the waterside slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**1.55**	Rating **	M	Issue No.	**78**
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 mising 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 drainage pipe 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 the LS. [Additional Reference(s): DWR Levee Log, 2005]
FS Date: 5/16/2016 10:21:28 AM

Photo 1 of 2 : UCIP_FA_2016_47833_65802.jpg

Overview of levee crown looking upstream.

LM Start	**1.55**	Rating **	M	Issue No.	**78 (cont)**
LM End	**1.55**	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_2016_47833_65801.jpg

View of levee crown looking downstream.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	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.	**79**
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 steel irrigation pipe through the levee, 1 foot below the crown. Crossing on the landside (LS) is attached to weir above ground. Siphon breaker located on the waterside (WS). No opening on the WS. No permit has been identified since crossing was field discovered in 2012.
FS Date: 5/16/2016 10:21:55 AM

Photo 1 of 2 : UCIP_FA_2016_47834_65806.jpg

Overview of levee crown looking upstream at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**1.71**	Rating **	M	Issue No.	**79 (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

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 steel irrigation pipe through the levee, 1 foot below the crown. Crossing on the landside (LS) is attached to weir above ground. Siphon breaker located on the waterside (WS). No opening on the WS. No permit has been identified since crossing was field discovered in 2012.
FS Date: 5/16/2016 10:21:55 AM

Photo 2 of 2 : UCIP_FA_2016_47834_65805.jpg

Exposed section of the pipe located on WS slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**1.76**	Rating **	M	Issue No.	**73**
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 drainage 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 WS and landside (LS) ends. Reinforced concrete spillway an the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 1+90)]
FS Date: 5/16/2016 10:22:42 AM

Photo 1 of 2 : UCIP_FA_2016_47836_65814.jpg

View of levee crown looking downstream.

LM Start	**1.76**	Rating **	M	Issue No.	**73 (cont)**
LM End	**1.76**	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_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	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**1.76**	Rating **	M	Issue No.	**77**
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 costructing cover to pevent 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 drainage 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 WS and landside (LS) ends. Reinforced concrete spillway an the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 1+90)]
FS Date: 5/16/2016 10:23:00 AM

Photo 1 of 2 : UCIP_FA_2016_47837_65820.jpg

View of levee crown looking downstream.

LM Start	**1.76**	Rating **	M	Issue No.	**77 (cont)**
LM End	**1.76**	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_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	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**1.77**	Rating **	C	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

The prunings have been removed during the construction phase.

No Photos

LM Start	**1.77**	Rating **	C	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

The prunings have been removed during the construction phase.

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**1.82**	Rating **	A/W	Issue No.	**62**
LM End	**2.53**	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.335774 °	39.345322 °
				-121.633888 °	-121.629603 °
DWR ID	DWR_MA0007_01_f _ 2016_62				

Comment Code

C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.

Inspector Comment

This section of levee has been brought back to design elevation but still needs the aggregate base placed.

Photo 1 of 1 : FA_2016_MA0007_200_62_20160912_00120.jpg

View of levee that has been brought back to design elevation but still needs the aggregate base placed. Looking downstream.

LM Start	**1.93**	Rating **	C	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.

No Photos

LM Start	**2.07**	Rating **	C	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	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**2.24**	Rating **	M	Issue No.	**90**
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

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: *ABANDONED* 24-inch corrugated metal irrigation pipe 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. (Permit No. 18710 - 2011, Sandra Waller, permit issued in 2011 to continue the use of existing 24-inch pipe) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 28+00)]
FS Date: 5/16/2016 10:24:00 AM

Photo 1 of 2 : UCIP_FA_2016_47998_65837.jpg

View of levee crown looking upstream.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**2.24**	Rating **	M	Issue No.	**90 (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

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: *ABANDONED* 24-inch corrugated metal irrigation pipe 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. (Permit No. 18710 - 2011, Sandra Waller, permit issued in 2011 to continue the use of existing 24-inch pipe) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 28+00)]
FS Date: 5/16/2016 10:24:00 AM

Photo 2 of 2 : UCIP_FA_2016_47998_65836.jpg

View of crossing and standpipe located on WS end.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**2.36**	Rating **	M	Issue No.	**97**
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

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 located on the waterside (WS) shoulder protected by two metal posts. No other signs of encroachment are present. No permit has been identified since crossing was field discovered in 2012.
FS Date: 5/16/2016 10:24:00 AM

Photo 1 of 2 : UCIP_FA_2016_47933_65844.jpg

Overview of levee crown looking downstream at crossing.

LM Start	**2.36**	Rating **	M	Issue No.	**97 (cont)**
LM End	**2.36**	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_47933_65843.jpg

View of WS at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**2.53**	Rating **	A/W	Issue No.	**61**
LM End	**3.33**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.345322 °	39.354627 °
				-121.629604 °	-121.635530 °
DWR ID	DWR_MA0007_01_f _ 2016_61				

Comment Code

C2 : Repair depressions or ruts in the crown or slope.

Inspector Comment

This section of levee is currently under construction and has been degraded and is being brought back to design elevation.

Photo 1 of 1 : FA_2016_MA0007_200_61_20160912_00119.jpg

View of the levee that is currently under construction and has been degraded and is being brought back to design elevation, looking downstream.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**2.56**	Rating **	M	Issue No.	**91**
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 pipe through the levee, 6.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall at both WS and landside (LS) toes. (USACE O&M Manual, 1957) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 44+50)]
FS Date: 5/16/2016 10:25:00 AM

Photo 1 of 2 : UCIP_FA_2016_48000_65849.jpg

View of levee crown looking upstream.

LM Start	**2.56**	Rating **	M	Issue No.	**91 (cont)**
LM End	**2.56**	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_48000_65852.jpg

View of flap gate located on WS.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**2.73**	Rating **	M	Issue No.	**102**
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:49199
DS_ID:16921
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 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 drainage pipe through the levee, 25.5 feet below the crown. Slide gate in 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 52+50)]
FS Date: 5/16/2016 10:25:00 AM

Photo 1 of 2 : UCIP_FA_2016_49199_65855.jpg

Overview of levee crown looking upstream.

LM Start	**2.73**	Rating **	M	Issue No.	**102 (cont)**
LM End	**2.73**	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_49199_65854.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**2.81**	Rating **	M	Issue No.	**98**
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

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 with annular space pressure grouted through the levee, 21.4 feet below the crown. A 36-inch reinforced concrete pipe riser is located on the waterside (WS). Slide gate in 36-inch reinforced concrete pipe riser located on the WS slope. (Permit No. 5722, 1968 - City of Gridley) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 56+90)]
FS Date: 5/16/2016 10:25:00 AM

Photo 1 of 2 : UCIP_FA_2016_47937_65864.jpg

Overview of levee crown looking upstream.

LM Start	**2.81**	Rating **	M	Issue No.	**98 (cont)**
LM End	**2.81**	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_47937_65863.jpg

View of WS slope looking at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**2.82**	Rating **	C	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

The slope has been corrected with the new construction and photo removed.

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**3.02**	Rating **	M	Issue No.	**99**
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 Ispector 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: 12-inch steel drainage pipe sleeved through existing 24-inch pipe. The 24-inch corrugated metal pipe goes through the levee at approximately 15.3 feet below the crown. Flap gate inside riser on the WS end. A reinforced concrete pipe riser located on the waterside (WS). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 69+00)]
FS Date: 5/16/2016 10:26:00 AM

Photo 1 of 2 : UCIP_FA_2016_47981_65872.jpg

View of levee crown looking upstream at crossing.

LM Start	**3.02**	Rating **	M	Issue No.	**99 (cont)**
LM End	**3.02**	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_2016_47981_65871.jpg

View of WS looking at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**3.32**	Rating **	A/W	Issue No.	**60**
LM End	**4.29**	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.354596 °	39.365418 °
				-121.635404 °	-121.646539 °
DWR ID	DWR_MA0007_01_f _ 2016_60				

Comment Code

C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.

Inspector Comment

This section of levee has been brought back to design elevation but still needs the aggregate base placed.

Photo 1 of 1 : FA_2016_MA0007_200_60_20160912_00118.jpg

View of levee that has been brought back to design elevation but still needs the aggregate base placed. Looking down stream.

LM Start	**4.16**	Rating **	C	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

The slope has been corrected with the new construction.

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**4.39**	Rating **	M	Issue No.	**39**
LM End	**5.35**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.366547 °	39.380071 °
				-121.647523 °	-121.650558 °
DWR ID	DWR_MA0007_01_s _ 2012_39				

Comment Code

DT : Ditch

Inspector Comment

Landside irrigation ditch.

Photo 1 of 1 : FA_2016_MA0007_200_39_20160912_00115.jpg

View of Landside ditch.

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	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 drainage pipe through the levee, 13.6 feet below the crown. Concrete distribution box with slide gate inside located on the waterside (WS). 36-inch pipe goes through the WS berm. (not found 2012) Concrete riser located across ditch unable to determine if standpipe is part of crossing appurtenances. [Additional Reference(s): DWR Levee Log, 2005]
FS Date: 5/16/2016 10:28:00 AM

Photo 1 of 2 : UCIP_FA_2016_48003_65891.jpg

Overview of levee crown and slopes at crossing looking upstream.

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

Photo 2 of 2 : UCIP_FA_2016_48003_65890.jpg

View of concrete distribution box with slide gate inside.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**5.16**	Rating **	U	Issue No.	**101**
LM End	**5.16**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.377343 °	39.377343 °
				-121.650450 °	-121.650450 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:49918
DS_ID:23095
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. (DWR Sutter Yard - afreitag)6/10/2015 Still damaged at WS slope. Wires are still exposed but crossing is listed to be replaced sometime during the SBFCA project. (DWR Sutter Yard - afreitag)12/29/2014 Same as last inspection. (DWR Sutter Yard - afreitag)5/19/2014 Same as last inspection. (DWR Sutter Yard - afreitag)11/7/2013 More damage has occured to power wires. Live wires are now exposed. Power company is aware of the problem and are going to fix it. (DWR Sutter Yard - afreitag)5/9/2013 Appeared to be damaged where it exits the WS slope, minor settling on LS toe, unable to obtain permit. SBFCA project recommends replacing in accordance with title 23. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: 2.5-inch steel electrical conduit through the levee, 3-4 feet below the crown. No permit has been identified since crossing was field discovered in 2012.
FS Date: 5/16/2016 10:28:00 AM

Photo 1 of 2 : UCIP_FA_2016_49918_65897.jpg

Overview of crossing from crown looking D/S

LM Start	**5.16**	Rating **	U	Issue No.	**101 (cont)**
LM End	**5.16**	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_2016_49918_65896.jpg

Overview of crossing from crown looking U/S

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**5.33**	Rating **	M	Issue No.	**80**
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

FS_ID:48815
DS_ID:16920
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 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 irrigation pipe through the levee, 14 feet below the crown. Slide gate on the landside (LS). Slide gate in concrete pipe riser on the waterside (WS) berm. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 191+13)]
FS Date: 5/16/2016 10:29:00 AM

Photo 1 of 2 : UCIP_FA_2016_48815_65903.jpg

View of WS.

LM Start	**5.33**	Rating **	M	Issue No.	**80 (cont)**
LM End	**5.33**	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_2016_48815_65902.jpg

View of LS--no access.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

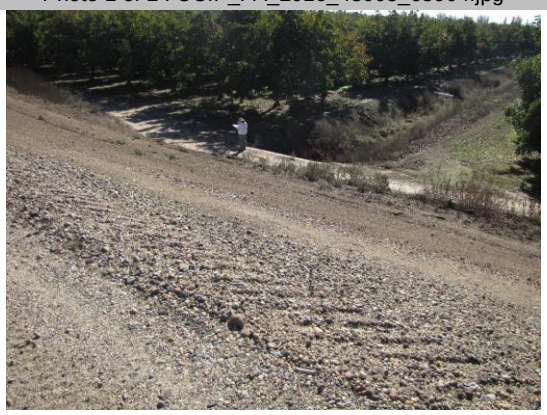
LM Start	**5.42**	Rating **	M	Issue No.	**93**
LM End	**5.42**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.380377 °	39.380377 °
				-121.649344 °	-121.649344 °
DWR ID					

Comment Code

Inspector Comment

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 ebing 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 corrugated metal drainage pipe (downstream pipe) through the levee, 23.4 feet below the crown. Concrete headwalls on both the waterside (WS) and landside (LS) ends. Flap gate on the WS end. Ditch at WS outlet. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 195+80)]
FS Date: 5/16/2016 10:29:00 AM

Photo 1 of 2 : UCIP_FA_2016_48005_65904.jpg



View of WS. Concrete headwall located at levee toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**5.42**	Rating **	M	Issue No.	**93 (cont)**
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

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 ebing 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 corrugated metal drainage pipe (downstream pipe) through the levee, 23.4 feet below the crown. Concrete headwalls on both the waterside (WS) and landside (LS) ends. Flap gate on the WS end. Ditch at WS outlet. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 195+80)]
FS Date: 5/16/2016 10:29:00 AM

Photo 2 of 2 : UCIP_FA_2016_48005_65905.jpg

View of headwall structure on WS. Sediment built up

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

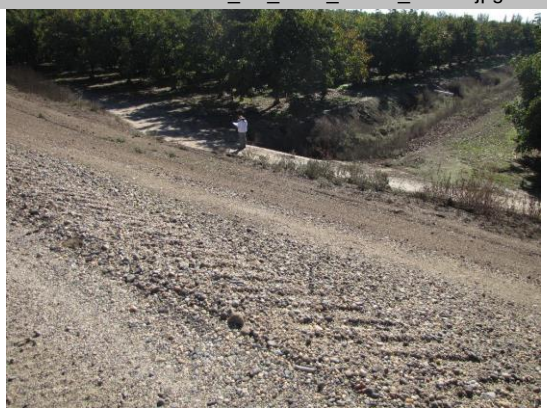
LM Start	**5.42**	Rating **	M	Issue No.	**94**
LM End	**5.42**	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.380377 °	39.380377 °
				-121.649319 °	-121.649319 °
DWR ID					

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 ebing 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 corrugated metal drainage pipe (upstream pipe) through the levee, 23.4 feet below the crown. Concrete headwalls on both the waterside (WS) and landside (LS) ends. Flap gate on the WS end. Ditch located at WS outlet. (USACE O&M Manual, 1957) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 195+80)]
FS Date: 5/16/2016 10:29:00 AM

Photo 1 of 2 : UCIP_FA_2016_48006_65911.jpg



View of WS with clear slope.

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

Photo 2 of 2 : UCIP_FA_2016_48006_65910.jpg

View of headwall and flap gates located on WS.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**7.00**	Rating **	A/W	Issue No.	**54**
LM End	**7.90**	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.392205 °	39.401297 °
				-121.627899 °	-121.630883 °
DWR ID	DWR_MA0007_01_f _ 2016_54				

Comment Code

C2 : Repair depressions or ruts in the crown or slope.

Inspector Comment

This portion of the levee is currently under construction and has been degraded and is being brought back to design elevation.

Photo 1 of 1 : FA_2016_MA0007_200_54_20160912_00114.jpg

View of this portion of the levee that is currently under construction that has been degraded and is being brought back to design elevation.

LM Start	**7.54**	Rating **	C	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

Slope Stability has been corrected with the new construction.

No Photos

LM Start	**7.59**	Rating **	C	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

Slope Stability has been corrected with the new construction.

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**7.65**	Rating **	C	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

Slope Stability has been corrected with the new construction.

No Photos

LM Start	**7.70**	Rating **	M	Issue No.	**95**
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 erosin 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 steel irrigation pipe through the right (west) bank levee at an unknown depth below the crown. Pipe connects 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_FA_2016_48007_65923.jpg

View of LS and levee crown looking upstream towards crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

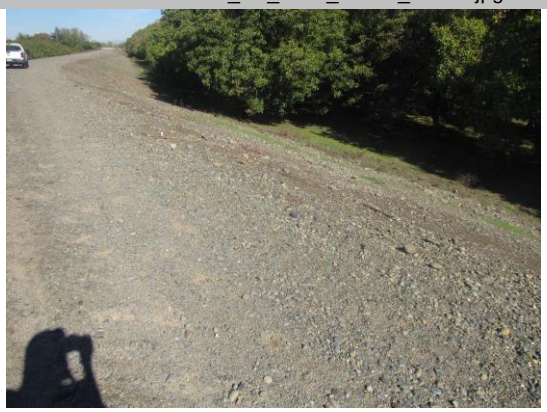
LM Start	**7.70**	Rating **	M	Issue No.	**95 (cont)**
LM End	**7.70**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.398336 °	39.398336 °
				-121.630529 °	-121.630529 °
DWR ID					

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 erosin 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 steel irrigation pipe through the right (west) bank levee at an unknown depth below the crown. Pipe connects 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 2 of 2 : UCIP_FA_2016_48007_65922.jpg



View of WS and levee crown looking upstream towards crossing.

LM Start	**8.14**	Rating **	M	Issue No.	**50**
LM End	**8.14**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.404555 °	39.404555 °
				-121.631171 °	-121.631171 °
DWR ID	DWR_MA0007_01_f _ 2016_50				

Comment Code

PR : Prunings

Inspector Comment

Prunings at land side toe.

Photo 1 of 1 : FA_2016_MA0007_200_50_20160912_00112.jpg

Pruning's on slope and at the toe of the landside.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**8.45**	Rating **	U	Issue No.	**100**
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:49919
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. (DWR Sutter Yard - afreitag)6/10/2015 Same as last inspection. (DWR Sutter Yard - afreitag)12/30/2014 Same as last inspection. (DWR Sutter Yard - afreitag)5/19/2014 Same as last inspection. (DWR Sutter Yard - afreitag)11/7/2013 Same as last inspection. (DWR Sutter Yard - afreitag)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. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: Irrigation pipe of unknown material through the levee at an unknown depth below the crown. Steel standpipe located on the landside (LS) toe. Also present is 4.5-inch polyvinyl chloride (PVC) pipe near standpipe located on the LS toe. No permit has been identified since crossing was field discovered in 2012.
FS Date: 5/16/2016 10:31:00 AM

Photo 1 of 2 : UCIP_FA_2016_49919_65926.jpg

Overview from crown looking U/S

LM Start	**8.45**	Rating **	U	Issue No.	**100 (cont)**
LM End	**8.45**	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_49919_65925.jpg

LS slope

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**8.61**	Rating **	M	Issue No.	**74**
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: Irrigation pipe of unknown size and material through the levee of an unknown depth below the crown. Pipe capped with valve inside of 6-inch steel standpipe located on the landside (LS) shoulder. No permit has been identified since crossing was field discovered in 2012.
FS Date: 5/16/2016 10:31:49 AM

Photo 1 of 2 : UCIP_FA_2016_47873_65930.jpg

Overview looking D/S

LM Start	**8.61**	Rating **	M	Issue No.	**74 (cont)**
LM End	**8.61**	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_47873_65929.jpg

LS slope with steel standpipe

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**8.64**	Rating **	M	Issue No.	**75**
LM End	**8.64**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.407159 °	39.407159 °
				-121.637409 °	-121.637409 °
DWR ID					

Comment Code

Inspector Comment

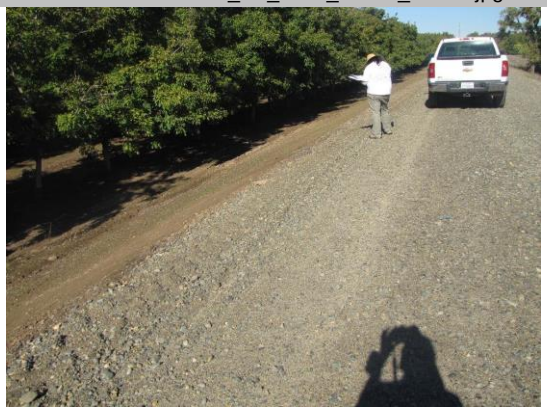
FS_ID:47874
DS_ID:16949
EP_NO: 14200
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/10/2015 Same as last inspection.12/30/2014 Same as last inspection.5/19/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/10/2013 Appears to just be surface erosion and not a crossing. Will keep monitoring until sure.11/5/2012 LS shoulder, small hole with too much moisture; rocks look wet last rain event occured 4 days ago.
FIELD_STRUCT_DESC: 2-inch galvanized water pipe through the levee, 2 feet below the crown. (Permit No. 14200, 1985 - Clinton W. Moffitt) [Additional Reference(s): DWR Levee Log, 2005]
FS Date: 5/16/2016 10:32:05 AM

Photo 1 of 2 : UCIP_FA_2016_47874_65936.jpg

View of WS and levee crown looking upstream at crossing alignment.

LM Start	**8.64**	Rating **	M	Issue No.	**75 (cont)**
LM End	**8.64**	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_47874_65937.jpg



View of LS and levee crown looking upstream at crossing. Staff is standing adjacent to cavity located on LS shoulder.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**9.06**	Rating **	A/W	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			39.411263 °	39.426682 °
				-121.634730 °	-121.639426 °
DWR ID	DWR_MA0007_01_s _ 2016_47				

Comment Code

C3 : Add appropriate gravel or road base. Grade and compact.

Inspector Comment

This portion of the levee is currently under construction and has been degraded and is being brought back to design elevation.

Photo 1 of 1 : FA_2016_MA0007_200_47_20160912_00113.jpg

View of the portion of levee that is currently under construction that has been degraded and is being brought back to design elevation.

LM Start	**9.15**	Rating **	C	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

The prunings have been removed during the construction phase.

No Photos

LM Start	**9.16**	Rating **	C	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

This portion of the levee crown has been brought back to the design elevation during the construction phase.

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**9.53**	Rating **	M	Issue No.	**81**
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 feet below the crown. Slide gate in 36-inch concrete standpipe at the waterside (WS) toe. Concrete distribution box at the landside (LS) toe.
[Additional Reference(s): DWR Levee Log, 2005]
FS Date: 5/16/2016 10:32:00 AM

Photo 1 of 2 : UCIP_FA_2016_47989_65939.jpg

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

LM Start	**9.53**	Rating **	M	Issue No.	**81 (cont)**
LM End	**9.53**	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP_FA_2016_47989_65940.jpg

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

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

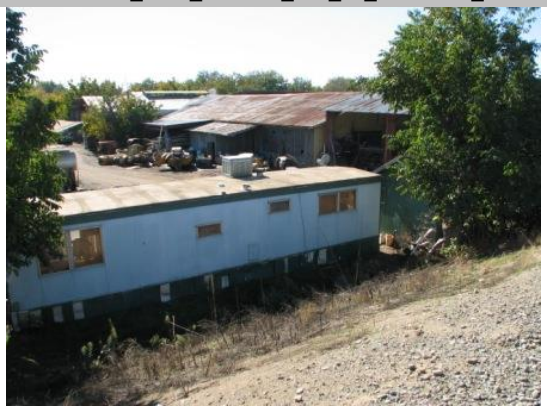
LM Start	**9.65**	Rating **	U	Issue No.	**45**
LM End	**9.65**	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.416384 °	39.416384 °
				-121.634503 °	-121.634503 °
DWR ID	DWR_MA0007_01_s _ 2012_45				

Comment Code

BU : Building

Inspector Comment

Photo 1 of 1 : FA_2016_MA0007_200_45_20160906_00009.jpg



This photo shows a building at the landside toe.

LM Start	**9.67**	Rating **	C	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

The slope has been corrected with the new construction.

No Photos

LM Start	**9.69**	Rating **	C	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 has been moved more than 10' from toe.

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**9.69**	Rating **	C	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

The prunings have been removed during the construction phase.

No Photos

LM Start	**9.97**	Rating **	M	Issue No.	**82**
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. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 437+30)]
FS Date: 5/16/2016 10:32:00 AM

Photo 1 of 2 : UCIP_FA_2016_47990_65946.jpg

View of LS and levee crown looking upstream at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

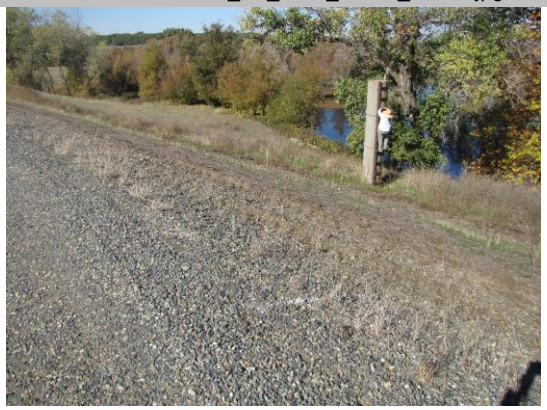
LM Start	**9.97**	Rating **	M	Issue No.	**82 (cont)**
LM End	**9.97**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.420736 °	39.420736 °
				-121.635321 °	-121.635321 °
DWR ID					

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. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 437+30)]
FS Date: 5/16/2016 10:32:00 AM

Photo 2 of 2 : UCIP_FA_2016_47990_65945.jpg



View of WS shoulder and slope looking upstream at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**10.10**	Rating **	M	Issue No.	**76**
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). [Additional Reference(s): DWR Levee Log, 2005]
FS Date: 5/16/2016 10:32:59 AM

Photo 1 of 2 : UCIP_FA_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.	**76 (cont)**
LM End	**10.10**	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_47878_65952.jpg

View of WS and levee crown looking upstream at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**10.68**	Rating **	M	Issue No.	**83**
LM End	**10.68**	Issue Type +	En	Location *	LS
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 drainage pipe through the levee, 14.5 feet below the crown. Concrete headwall at both waterside (WS) and landside (LS) toes. Flap gate in 36-inch concrete standpipe on the berm. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 471+26)]
FS Date: 5/16/2016 10:33:00 AM

Photo 1 of 2 : UCIP_FA_2016_47991_65953.jpg

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

LM Start	**10.68**	Rating **	M	Issue No.	**83 (cont)**
LM End	**10.68**	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_47991_65956.jpg

View of WS looking upstream at slope and concrete standpipe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**10.79**	Rating **	M	Issue No.	**84**
LM End	**10.79**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.428380 °	39.428380 °
				-121.642228 °	-121.642228 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47992
DS_ID:16944
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 2245+52, will be removed per 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 Headwall still buried. 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--unknown method of abandonment; headwall buried with a small section of headwall exposed.
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 17.5 feet below the crown. Concrete headwall at landside (LS) toe. Flap gate located on the waterside (WS) end covered with dirt. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 476+60)]
FS Date: 5/16/2016 10:33:00 AM

Photo 1 of 2 : UCIP_FA_2016_47992_65958.jpg

View of levee crown looking upstream from crossing.

LM Start	**10.79**	Rating **	M	Issue No.	**84 (cont)**
LM End	**10.79**	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_47992_65962.jpg

Overview of levee crown looking downstream at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**11.01**	Rating **	M	Issue No.	**85**
LM End	**11.01**	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.430540 °	39.430540 °
				-121.645118 °	-121.645118 °
DWR ID					

Comment Code

Inspector Comment

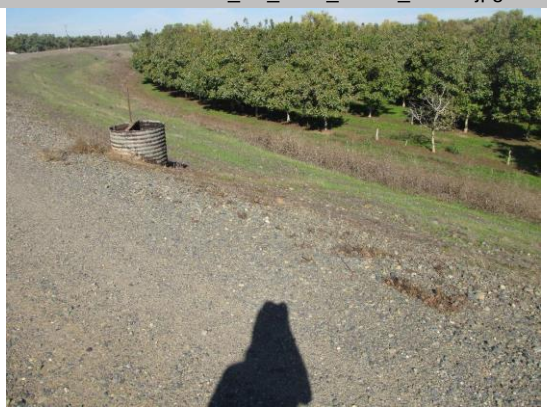
FS_ID:47993
DS_ID:16941
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2256+71, will be removed as indicated in the project Plans for Construction of Feather 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 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 Top cover has fallen down inside standpipe and may prevent gate from fully closing. Wheel to operate gate still missing.11/5/2012 WS-missing top cover of the CMP riser; debris inside CMP riser; wheel handle missing from slide gate. Unable to determine condition of slide gate face. LS-crossing not visible. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0330 no issues reported. FIELD_STRUCT_DESC: 24-inch reinforced concrete encased corrugated metal irrigation pipe through the levee, 21 feet below the crown. Slide gate in 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 490+50)]
FS Date: 5/16/2016 10:34:00 AM

Photo 1 of 2 : UCIP_FA_2016_47993_65970.jpg

View of LS looking upstream at crossing.

LM Start	**11.01**	Rating **	M	Issue No.	**85 (cont)**
LM End	**11.01**	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_47993_65969.jpg



View of WS looking upstream at crossing. CMP riser located on WS shoulder.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**11.08**	Rating **	M	Issue No.	**87**
LM End	**11.08**	Issue Type +	En	Location *	LS
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

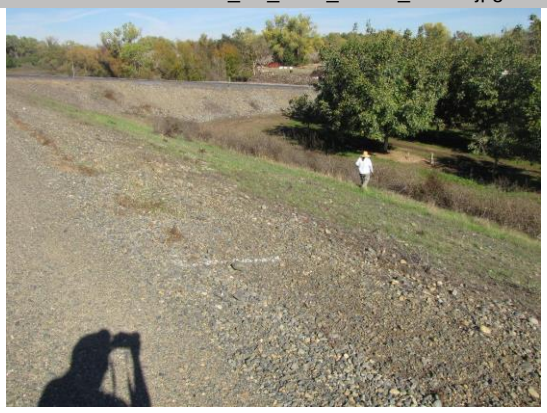
FS_ID:47958
DS_ID:16939
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2260+55, will be removed as indicated in the project Plans for Construction of Feather 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 drainage pipe through the levee. 18.9 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 494+50)]
FS Date: 5/16/2016 10:34:00 AM

Photo 1 of 2 : UCIP_FA_2016_47958_65974.jpg

View of LS looking upstream at crossing.

LM Start	**11.08**	Rating **	M	Issue No.	**87 (cont)**
LM End	**11.08**	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_47958_65973.jpg



View of WS looking upstream at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**11.12**	Rating **	M	Issue No.	**86**
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 drainage pipe through the levee, 15.8 feet below the crown. Concrete headwall at both waterside (WS) and landside (LS) toes. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 496+20)]
FS Date: 5/16/2016 10:35:00 AM

Photo 1 of 2 : UCIP_FA_2016_47994_65979.jpg

View of LS looking upstream at crossing.

LM Start	**11.12**	Rating **	M	Issue No.	**86 (cont)**
LM End	**11.12**	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_47994_65978.jpg

View of WS looking upstream at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**11.15**	Rating **	C	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

This portion of the levee crown has been brought back to the design elevation during the construction phase, and the old photo has been removed.

No Photos

LM Start	**11.23**	Rating **	M	Issue No.	**88**
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 irrigation pipe through the levee, 19.5 feet below the crown. Concrete headwall at the landside (LS) toe. Slide gate in 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 502+20)]
FS Date: 5/16/2016 10:56:00 AM

Photo 1 of 2 : UCIP_FA_2016_47960_65987.jpg

View of LS looking upstream at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**11.23**	Rating **	M	Issue No.	**88 (cont)**
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 irrigation pipe through the levee, 19.5 feet below the crown. Concrete headwall at the landside (LS) toe. Slide gate in 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 502+20)]
FS Date: 5/16/2016 10:56:00 AM

Photo 2 of 2 : UCIP_FA_2016_47960_65985.jpg

View of WS looking upstream at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**11.35**	Rating **	M	Issue No.	**96**
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 drainage pipe 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. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 508+40)]
FS Date: 5/16/2016 10:57:00 AM

Photo 1 of 2 : UCIP_FA_2016_48009_65990.jpg

View of LS looking upstream at crossing.

LM Start	**11.35**	Rating **	M	Issue No.	**96 (cont)**
LM End	**11.35**	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP_FA_2016_48009_65994.jpg

View of WS looking upstream at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	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 : FA_2016_MA0007_200_40_20160906_00004.jpg

View showing structure, waterside, looking downstream.

LM Start	**11.51**	Rating **	M	Issue No.	**89**
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

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 flapgatae 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 irrigation pipe through the levee, 18.8 feet below the crown. Slide gate in 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 517+60)]
FS Date: 5/16/2016 3:33:31 PM

Photo 1 of 2 : UCIP_FA_2016_47997_65996.jpg

View of LS looking upstream at crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	09/07/2016 09/08/2016	Sterling York

LM Start	**11.51**	Rating **	M	Issue No.	**89 (cont)**
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

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 flapgatae 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 irrigation pipe through the levee, 18.8 feet below the crown. Slide gate in 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 517+60)]
FS Date: 5/16/2016 3:33:31 PM

Photo 2 of 2 : UCIP_FA_2016_47997_65995.jpg

View of WS looking upstream at crosssing.

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