

**Flood Control Project Maintenance
Levee Inspections**

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/17/2017 10/17/2017	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_NA0017_01_s _ 2013_3				
Comment Code					
Inspector Comment					
The LMA has the all the required O&M manuals.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_NA0017_01_s _ 2013_5				
Comment Code					
Inspector Comment					
The LMA has all the required materials at their site.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Littlejohn Creek	Left	2.59	10/17/2017 10/17/2017	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_NA0017_01_s_2013_9				
Comment Code					
Inspector Comment					
The LMA has all the required booklets from DWR, flood response plan and most of their employees are trained to be a flood fighter. They continue to train more personnel for flood response.					

No Photos

LM Start	0.19	Rating **	A/W	Issue No.	199
LM End	0.19	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.874155 °	37.874155 °	
			-121.233682 °	-121.233682 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:32744 DS_ID:23992 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: One 4-inch pvc pipe on the waterside levee slope. It is not clear whether the pvc pipe goes through the levee. One air vent on waterside and another across the channel. Water filter plant on landside. Not found : 24-inch CMP through levee and with flap gate. On landside a vertical pump on wooden structure; walkway to the pump; service pole and switch box. Pump is connected to 8-inch steel pipe for about 100 ft. 24-inch CMP continues through the levee. FIELD_STRUCT_DESC: 8-inch steel storm drainage pipe through the levee, 2 feet below the crown. Pipe goes over the top of the channel on a wood structure. One air vent on the waterside (WS) and another across the channel. Water filter plant on the landside (LS). [Additional Reference(s): DWR Levee Log, 1977, listed as a 14-inch pipe. USACE San Joaquin O&M Manual 613C, Volume 15, May 1963, (Station 131+25 "'S'"), listed as a 24-inch corrugated metal pipe (CMP) with a flap gate]. FS Date: 3/25/2014					

Photo 1 of 3 : UCIP_FA_2017_32744_59245.jpg



WS view: two steel pipes through the levee and over Little John's Creek on wooden structure.

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

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Unit No. 01 Littlejohn Creek	Left	2.59	10/17/2017 10/17/2017	Pavel Kazi

LM Start	0.55	Rating **	A	Issue No.	16
LM End	0.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.876966 °	37.876966 °
				-121.238734 °	-121.238734 °
DWR ID	DWR_NA0017_01_f_2017_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Acceptable vegetation.					

Photo 1 of 1 : FA_2017_NA0017_148_16_20171023_00055.jpg



View of the waterside slope of the levee looking upstream. Fall 2017

LM Start	0.74	Rating **	A/W	Issue No.	200
LM End	0.74	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.878634 °	37.878634 °
				-121.241467 °	-121.241467 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:32745					
DS_ID:17973					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: May need cleaning of mud in inlet pipe.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.2 feet below the crown. Slide gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1977. USACE San Joaquin O&M Manual 613C, Volume 15, May 1963, (Station 98+65)].					
FS Date: 3/25/2014					

Photo 1 of 3 : UCIP_FA_2017_32745_59248.jpg



WS view: CMP with slide gate on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/17/2017 10/17/2017	Pavel Kazi

LM Start	0.74	Rating **	A/W	Issue No.	200 (cont)	
LM End	0.74	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.878634 °		37.878634 °
				-121.241467 °		-121.241467 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:32745						
DS_ID:17973						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: May need cleaning of mud in inlet pipe.						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe						
through the levee, 4.2 feet below the crown. Slide gate on the waterside						
(WS) end. [Additional Reference(s): DWR Levee Log, 1977. USACE						
San Joaquin O&M Manual 613C, Volume 15, May 1963, (Station						
98+65)].						
FS Date: 3/25/2014						

LM Start	0.74	Rating **	A/W	Issue No.	200 (cont)
LM End	0.74	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_32745_59247.jpg



LS view: deformed inlet CM pipe on drainage ditch.

Photo 3 of 3 : UCIP_FA_2017_32745_59246.jpg



LS view: inside view of the CM pipe. May need cleaning and clearing the pipe.

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

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/17/2017 10/17/2017	Pavel Kazi

LM Start	0.79	Rating **	M	Issue No.	202
LM End	0.79	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.878502 °	37.878502 °
				-121.242377 °	-121.242377 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46809					
DS_ID:17972					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: LS: vegetation debris and mud on inlet ditch and inside the pipe.					
FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe through the levee, 6.6 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1977. USACE San Joaquin O&M Manual 613C, Volume 15, May 1963 (Station 94+40)].					
FS Date: 3/25/2014					

Photo 1 of 3 : UCIP_FA_2017_46809_74752.jpg



WS: Debris blocking flap gate has been cleared per FPIIB Inspector email 11/16/2015

LM Start	0.79	Rating **	M	Issue No.	202 (cont)
LM End	0.79	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_46809_59185.jpg



WS view: CMP drain pipes with flap gates on ditch.

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/17/2017 10/17/2017	Pavel Kazi

LM Start	0.79	Rating **	M	Issue No.	203 (cont)	
LM End	0.79	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.878494 °	37.878494 °	
				-121.242392 °	-121.242392 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:32704						
DS_ID:23995						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Needs cleaning and clearing the culvert.						
FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 6.6 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1977. USACE San Joaquin O&M Manual 613C, Volume 15, May 1963 (Station 94+40)].						
FS Date: 3/25/2014						

LM Start	0.79	Rating **	M	Issue No.	203 (cont)
LM End	0.79	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_32704_59190.jpg



WS view: closer view of CMP drain pipes with flap gates on ditch. Right flap gate was blocked by soil/mud.

Photo 3 of 3 : UCIP_FA_2017_32704_59189.jpg



LS view: CMP inlet pipes on levee slope. Debris and mud on inlet ditch and inside the pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/17/2017 10/17/2017	Pavel Kazi

LM Start	0.86	Rating **	M	Issue No.	17
LM End	1.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.878268 °	37.880138 °
				-121.243621 °	-121.249125 °
DWR ID	DWR_NA0017_01_f_2017_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_148_17_20171023_00056.jpg



View of the vegetation on the waterside shoulder of the levee looking downstream. Fall 2017

LM Start	1.02	Rating **	M	Issue No.	204
LM End	1.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.877566 °	37.877566 °
				-121.246391 °	-121.246391 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:32746 DS_ID:23985 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris and mud on inlet ditch and inside pipe. Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS). [Additional Reference(s): USACE San Joaquin O&M Manual 613C, Volume 15, May 1963, (Station 83+00)]. FS Date: 3/25/2014					

Photo 1 of 3 : UCIP_FA_2017_32746_59251.jpg



Enter photo 1 description or comment here.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/17/2017 10/17/2017	Pavel Kazi

LM Start	1.02	Rating **	M	Issue No.	204 (cont)	
LM End	1.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.877566 °	37.877566 °	
				-121.246391 °	-121.246391 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:32746 DS_ID:23985 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris and mud on inlet ditch and inside pipe. Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS). [Additional Reference(s): USACE San Joaquin O&M Manual 613C, Volume 15, May 1963, (Station 83+00)]. FS Date: 3/25/2014						

LM Start	1.02	Rating **	M	Issue No.	204 (cont)
LM End	1.02	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_32746_59250.jpg



LS view: CMP inlet pipe on levee slope. Vegetation debris and mud on inlet ditch.

Photo 3 of 3 : UCIP_FA_2017_32746_59249.jpg



LS view: inside view of CM inlet pipe. Needs cleaning and clearing the culvert.

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/17/2017 10/17/2017	Pavel Kazi

LM Start	1.18	Rating **	M	Issue No.	205
LM End	1.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.879076 °	37.879076 °
				-121.248304 °	-121.248304 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:32747					
DS_ID:17970					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing the culvert.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.1 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1977. USACE San Joaquin O&M Manual 613C, Volume 15, May 1963, (Station 76+60)].					
FS Date: 3/25/2014					

LM Start	1.18	Rating **	M	Issue No.	205 (cont)
LM End	1.18	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_32747_59254.jpg



WS view: CM drain pipe with flap gate on levee slope. Dirt spillway to the creek.

Photo 2 of 3 : UCIP_FA_2017_32747_59253.jpg



WS view: closer view of CM drain pipe with flap gate on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/17/2017 10/17/2017	Pavel Kazi

LM Start	1.18	Rating **	M	Issue No.	205 (cont)	
LM End	1.18	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.879076 °	37.879076 °	
				-121.248304 °	-121.248304 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:32747						
DS_ID:17970						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Needs cleaning and clearing the culvert.						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe						
through the levee, 4.1 feet below the crown. Flap gate on the waterside						
(WS) end. [Additional Reference(s): DWR Levee Log, 1977. USACE						
San Joaquin O&M Manual 613C, Volume 15, May 1963, (Station						
76+60)].						
FS Date: 3/25/2014						

Photo 3 of 3 : UCIP_FA_2017_32747_59252.jpg



LS view: deformed CM inlet pipe on levee slope. Debris and mud on inlet ditch.

LM Start	2.53	Rating **	A/W	Issue No.	207
LM End	2.53	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.888080 °	37.888080 °
				-121.266631 °	-121.266631 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:32652 DS_ID:17966 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Grouted riprap outlet box and concrete outfall pipe on waterside.Pipe not visible on landside. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Flap gate on the waterside (WS) end. Grouted riprap outlet box and concrete outfall pipe on the WS. [Additional Reference(s): DWR Levee Log, 1977. USACE San Joaquin O&M Manual 613C, Volume 15, May 1963, (Station 4+00)]. FS Date: 3/25/2014					

Photo 1 of 3 : UCIP_FA_2017_32652_59121.jpg



WS view: outlet box, CMP with flapgate (bottom), and concrete outfall pipe (Top).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/17/2017 10/17/2017	Pavel Kazi

LM Start	2.53	Rating **	A/W	Issue No.	207 (cont)
LM End	2.53	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.888080 °	37.888080 °
				-121.266631 °	-121.266631 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:32652 DS_ID:17966 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Grouted riprap outlet box and concrete outfall pipe on waterside.Pipe not visible on landside. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Flap gate on the waterside (WS) end. Grouted riprap outlet box and concrete outfall pipe on the WS. [Additional Reference(s): DWR Levee Log, 1977. USACE San Joaquin O&M Manual 613C, Volume 15, May 1963, (Station 4+00)]. FS Date: 3/25/2014					

Photo 2 of 3 : UCIP_FA_2017_32652_59120.jpg



WS view: outlet pipe with flap gate. Grouted riprap on spillway.

LM Start	2.53	Rating **	A/W	Issue No.	207 (cont)
LM End	2.53	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_32652_59122.jpg



WS view: concrete outfall pipe on creek bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	10/17/2017 10/17/2017	Pavel Kazi

LM Start	0.29	Rating **	C	Issue No.	125
LM End	0.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.875189 °	37.875189 °
				-121.225048 °	-121.225048 °
DWR ID	DWR_NA0017_02_s_2015_125				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	0.50	Rating **	A/W	Issue No.	127
LM End	0.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.875178 °	37.875178 °
				-121.228514 °	-121.228514 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33124					
DS_ID:17986					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: May need cleaning.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe					
through the levee, 5 feet below the crown. Flap gate on the waterside					
(WS) end. [Additional Reference(s): DWR Levee Log, 1977. USACE					
San Joaquin O&M Manual 613C, Volume 15, May 1963, (Station					
148+18N)].					
FS Date: 4/2/2014					

Photo 1 of 3 : UCIP_FA_2017_33124_59931.jpg



WS view: CM drain pipe with flap gate on creek bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	10/17/2017 10/17/2017	Pavel Kazi

LM Start	0.50	Rating **	A/W	Issue No.	127 (cont)	
LM End	0.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.875178 °	37.875178 °	
				-121.228514 °	-121.228514 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33124						
DS_ID:17986						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: May need cleaning.						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe						
through the levee, 5 feet below the crown. Flap gate on the waterside						
(WS) end. [Additional Reference(s): DWR Levee Log, 1977. USACE						
San Joaquin O&M Manual 613C, Volume 15, May 1963, (Station						
148+18N)].						
FS Date: 4/2/2014						

LM Start	0.50	Rating **	A/W	Issue No.	127 (cont)
LM End	0.50	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_33124_59930.jpg



LS view: CM inlet pipe on levee slope. Mud on inlet ditch and pipe.

Photo 3 of 3 : UCIP_FA_2017_33124_59929.jpg



LS view: closer view of CM inlet pipe. Mud on inlet ditch and pipe. May need cleaning.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	10/17/2017 10/17/2017	Pavel Kazi

LM Start	1.06	Rating **	M	Issue No.	128
LM End	1.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.877386 °	37.877386 °
				-121.237044 °	-121.237044 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33125					
DS_ID:17983					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing the culvert.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe					
through the levee, 6.4 feet below the crown. Flap gate on the waterside					
(WS) end. [Additional Reference(s): DWR Levee Log, 1977. USACE					
San Joaquin O&M Manual 613C, Volume 15, May 1963, (Station					
114+50)].					
FS Date: 4/2/2014					

Photo 1 of 3 : UCIP_FA_2017_33125_59937.jpg



WS view: CM drain pipe with plate gate on levee slope.

LM Start	1.06	Rating **	M	Issue No.	128 (cont)
LM End	1.06	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_33125_59936.jpg



WS view: closer view of plate gate on the CM pipe end.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	10/17/2017 10/17/2017	Pavel Kazi

LM Start	1.06	Rating **	M	Issue No.	128 (cont)	
LM End	1.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.877386 °	37.877386 °	
				-121.237044 °	-121.237044 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33125						
DS_ID:17983						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Needs cleaning and clearing the culvert.						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe						
through the levee, 6.4 feet below the crown. Flap gate on the waterside						
(WS) end. [Additional Reference(s): DWR Levee Log, 1977. USACE						
San Joaquin O&M Manual 613C, Volume 15, May 1963, (Station						
114+50)].						
FS Date: 4/2/2014						

Photo 3 of 3 : UCIP_FA_2017_33125_59938.jpg



LS view: CM inlet pipe on levee slope.

LM Start	1.47	Rating **	A/W	Issue No.	132	
LM End	1.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.879657 °	37.879657 °	
				-121.243467 °	-121.243467 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33144						
DS_ID:23984						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: May need cleaning.						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe with						
flap gate through the levee, at an unknown depth. [Additional						
Reference(s): USACE San Joaquin O&M Manual 613C, Volume 15,						
May 1963, (Station 93+00)].						
FS Date: 4/2/2014						

Photo 1 of 2 : UCIP_FA_2017_33144_59947.jpg



WS view: CM drain pipe with flap gate on levee slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	10/17/2017 10/17/2017	Pavel Kazi

LM Start	1.47	Rating **	A/W	Issue No.	132 (cont)	
LM End	1.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.879657 °		37.879657 °
				-121.243467 °		-121.243467 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33144 DS_ID:23984 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: May need cleaning. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe with flap gate through the levee, at an unknown depth. [Additional Reference(s): USACE San Joaquin O&M Manual 613C, Volume 15, May 1963, (Station 93+00)]. FS Date: 4/2/2014						

Photo 2 of 2 : UCIP_FA_2017_33144_59946.jpg



LS view: CM drain pipe on drainage ditch. Mud and vegetation debris on the pipe.

LM Start	1.48	Rating **	A/W	Issue No.	133
LM End	1.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.879603 °	37.879603 °
				-121.243671 °	-121.243671 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33163					
DS_ID:23998					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: Galvanized iron plate slide gate on waterside. It is not not a old pipe. The plate gate looks new.					
FIELD_STRUCT_DESC: 16-inch high-density polyethylene drainage pipe through the levee, 7.7 feet below the crown. Galvanized iron plate gate on the waterside (WS) end. [Additional Reference(s): USACE San Joaquin O&M Manual 613C, Volume 15, May 1963, (Station 91+80) 12-inch steel pipe listed].					
FS Date: 4/2/2014					

Photo 1 of 2 : UCIP_FA_2017_33163_59952.jpg



WS view: HDPE drain pipe on levee slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	10/17/2017 10/17/2017	Pavel Kazi

LM Start	1.48	Rating **	A/W	Issue No.	133 (cont)
LM End	1.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.879603 °	37.879603 °
				-121.243671 °	-121.243671 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33163					
DS_ID:23998					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: Galvanized iron plate slide gate on waterside. It is not not a old pipe. The plate gate looks new.					
FIELD_STRUCT_DESC: 16-inch high-density polyethylene drainage pipe through the levee, 7.7 feet below the crown. Galvanized iron plate gate on the waterside (WS) end. [Additional Reference(s): USACE San Joaquin O&M Manual 613C, Volume 15, May 1963, (Station 91+80) 12-inch steel pipe listed].					
FS Date: 4/2/2014					

Photo 2 of 2 : UCIP_FA_2017_33163_59951.jpg



WS view: closer view of galvanized iron plate slide gate on HDPE pipe end.

LM Start	1.48	Rating **	C	Issue No.	16
LM End	1.65	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.879621 °	37.879031 °
				-121.243702 °	-121.246621 °
DWR ID	DWR_NA0017_02_s_2017_16				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					
Farmer disc the patrol road.					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	10/17/2017 10/17/2017	Pavel Kazi

LM Start	1.91	Rating **	M	Issue No.	14
LM End	1.91	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.881810 °	37.881810 °
				-121.249387 °	-121.249387 °
DWR ID	DWR_NA0017_02_f_2017_14				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_149_14_20171023_00036.jpg



View of debris on the crown of the levee. Fall 2017

LM Start	1.93	Rating **	M	Issue No.	17
LM End	2.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.881999 °	37.888205 °
				-121.249686 °	-121.264437 °
DWR ID	DWR_NA0017_02_f_2017_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_149_17_20171023_00037.jpg



View of vegetation on the waterside of the levee. Fall 2017

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	10/17/2017 10/17/2017	Pavel Kazi

LM Start	2.22	Rating **	M	Issue No.	15
LM End	2.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.884705 °	37.884705 °
				-121.253806 °	-121.253806 °
DWR ID	DWR_NA0017_02_s_2017_15				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion due to runoff.					

Photo 1 of 1 : FA_2017_NA0017_149_15_20170921_00002.jpg



View of an erosion due to runoff on the waterside shoulder of the levee.
Spring 2017

LM Start	2.57	Rating **	M	Issue No.	18
LM End	2.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.888715 °	37.888202 °
				-121.257266 °	-121.264438 °
DWR ID	DWR_NA0017_02_f_2017_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 SPRR Drain	Left	0.46	10/24/2017 10/24/2017	Pavel Kazi

LM Start	0.01	Rating **	M	Issue No.	2
LM End	0.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.979206 °	37.979273 °
				-121.098635 °	-121.095439 °
DWR ID	DWR_NA0017_06_f_2017_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_150_2_20171027_00006.jpg



View of vegetation on the waterside of the levee looking upstream. Fall 2017

LM Start	0.05	Rating **	C	Issue No.	5
LM End	0.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.979182 °	37.979182 °
				-121.097977 °	-121.097977 °
DWR ID	DWR_NA0017_06_s_2016_5				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 SPRR Drain	Left	0.46	10/24/2017 10/24/2017	Pavel Kazi

LM Start	0.10	Rating **	N	Issue No.	4
LM End	0.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.979219 °	37.979219 °
				-121.097129 °	-121.097129 °
DWR ID	DWR_NA0017_06_s_2016_4				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	0.15	Rating **	C	Issue No.	3
LM End	0.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.979224 °	37.979224 °
				-121.096096 °	-121.096096 °
DWR ID	DWR_NA0017_06_f_2016_3				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

No Photos

LM Start	0.23	Rating **	A	Issue No.	8
LM End	0.23	Issue Type +	Ma	Location *	WS
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			37.979233 °	37.979233 °
				-121.094620 °	-121.094620 °
DWR ID	DWR_NA0017_06_f_2017_8				
Comment Code					
Inspector Comment					
Heavy vegetation was found to be obstructing the outfall and flapgate on the waterside. Vegetation has been removed and the structure cleaned.					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 SPRR Drain	Left	0.46	10/24/2017 10/24/2017	Pavel Kazi

LM Start	0.23	Rating **	C	Issue No.	9
LM End	0.23	Issue Type +	Ma	Location *	LS
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			37.979233 °	37.979233 °
				-121.094620 °	-121.094620 °
DWR ID	DWR_NA0017_06_f_2017_9				
Comment Code					
Inspector Comment					
Vegetation found on landside culver inlet. Vegetation has been removed.					

No Photos

LM Start	0.25	Rating **	C	Issue No.	7
LM End	0.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.979248 °	37.979248 °
				-121.094345 °	-121.094345 °
DWR ID	DWR_NA0017_06_f_2017_7				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion was found during a recent inspection. Erosion has been repaired. Before and after photos have been added.					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 SPRR Drain	Left	0.46	10/24/2017 10/24/2017	Pavel Kazi

LM Start	0.34	Rating **	C	Issue No.	11
LM End	0.34	Issue Type +	Ma	Location *	WS
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			37.979362 °	37.979362 °
				-121.092660 °	-121.092660 °
DWR ID	DWR_NA0017_06_f_2017_11				
Comment Code					
Inspector Comment					
Tree growing in channel. This tree has been removed.					

No Photos

LM Start	0.34	Rating **	A	Issue No.	10
LM End	0.46	Issue Type +	Ma	Location *	WS
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			37.979637 °	37.979400 °
				-121.092660 °	-121.090520 °
DWR ID	DWR_NA0017_06_f_2017_10				
Comment Code					
Inspector Comment					
Sapling were found to be growing in channel. All saplings have been removed.					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	0.14	Rating **	A	Issue No.	140
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043965 °	38.043965 °
				-121.370682 °	-121.370682 °
DWR ID	DWR_NA0017_07_f_2017_140				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Acceptable vegetation.					

Photo 1 of 1 : FA_2017_NA0017_151_140_20171016_00546.jpg



View of the landside slope of the levee. Fall 2017

LM Start	0.38	Rating **	M	Issue No.	69
LM End	1.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043596 °	38.043274 °
				-121.366714 °	-121.349704 °
DWR ID	DWR_NA0017_07_s_2017_69				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_151_69_20171016_00547.jpg



View of vegetation on the landside of the levee looking upstream. Fall 2017

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

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	1.08	Rating **	C	Issue No.	147
LM End	1.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.043311 °	38.043311 °
				-121.353857 °	-121.353857 °
DWR ID	DWR_NA0017_07_s_2017_147				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	1.33	Rating **	A/W	Issue No.	1054
LM End	1.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043286 °	38.043286 °
				-121.349368 °	-121.349368 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38092 DS_ID:23695 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: [Thornton Road Pump Station] 1 of 6: 12-inch wrapped steel storm drainage pipe through the levee, approximately 3 feet below the crown. Pump station on the landside (LS). Flap gate on the waterside (WS) end. [Additional Reference(s): USACE San Joaquin O&M Manual 612 (addendum), February 1999, (HLM 2.16) (Station 114+25)]. FS Date: 5/20/2014					

Photo 1 of 2 : UCIP_FA_2017_38092_69303.jpg



Pipe and flapgate visible on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	1.33	Rating **	A/W	Issue No.	1054 (cont)	
LM End	1.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.043286 °	38.043286 °	
				-121.349368 °	-121.349368 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38092 DS_ID:23695 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: [Thornton Road Pump Station] 1 of 6: 12-inch wrapped steel storm drainage pipe through the levee, approximately 3 feet below the crown. Pump station on the landside (LS). Flap gate on the waterside (WS) end. [Additional Reference(s): USACE San Joaquin O&M Manual 612 (addendum), February 1999, (HLM 2.16) (Station 114+25)]. FS Date: 5/20/2014						

Photo 2 of 2 : UCIP_FA_2017_38092_69302.jpg



Pump over sump off LS toe.

LM Start	1.33	Rating **	A/W	Issue No.	1055
LM End	1.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043289 °	38.043289 °
				-121.349353 °	-121.349353 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38093 DS_ID:23650 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: [Thornton Road Pump Station] 2 of 6: 36-inch wrapped steel storm drainage pipe through the levee, approximately 3 feet below the crown. Pump station on the landside (LS). Flap gate on the waterside (WS) end. [Additional Reference(s): USACE San Joaquin O&M Manual 612 (addendum), February 1999, (HLM 2.16) (Station 114+25)]. FS Date: 5/20/2014					

Photo 1 of 2 : UCIP_FA_2017_38093_69305.jpg



Pipe and flapgate visible on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	1.33	Rating **	A/W	Issue No.	1056 (cont)	
LM End	1.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.043291 °	38.043291 °	
				-121.349327 °	-121.349327 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38086						
DS_ID:23691						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: [Thornton Road Pump Station] 3 of 6: 36-inch wrapped steel storm drainage pipe through the levee, approximately 3 feet below the crown. Pump station on the landside (LS). Flap gate on the waterside (WS) end. [Additional Reference(s): USACE San Joaquin O&M Manual 612 (addendum), February 1999, (HLM 2.16) (Station 114+25)].						
FS Date: 5/20/2014						

Photo 2 of 2 : UCIP_FA_2017_38086_69290.jpg



Pump over sump off LS toe.

LM Start	1.33	Rating **	A/W	Issue No.	1057
LM End	1.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043291 °	38.043291 °
				-121.349299 °	-121.349299 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38089 DS_ID:23692 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: [Thornton Road Pump Station] 4 of 6: 36-inch wrapped steel storm drainage pipe through the levee, approximately 3 feet below the crown. Pump station on the landside (LS). Flap gate on the waterside (WS) end. [Additional Reference(s): USACE San Joaquin O&M Manual 612 (addendum), February 1999, (HLM 2.16) (Station 114+25)]. FS Date: 5/20/2014					

Photo 1 of 2 : UCIP_FA_2017_38089_69297.jpg



Pipe and flapgate visible on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	1.33	Rating **	A/W	Issue No.	1057 (cont)	
LM End	1.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.043291 °	38.043291 °	
				-121.349299 °	-121.349299 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38089						
DS_ID:23692						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: [Thornton Road Pump Station] 4 of 6: 36-inch wrapped steel storm drainage pipe through the levee, approximately 3 feet below the crown. Pump station on the landside (LS). Flap gate on the waterside (WS) end. [Additional Reference(s): USACE San Joaquin O&M Manual 612 (addendum), February 1999, (HLM 2.16) (Station 114+25)].						
FS Date: 5/20/2014						

Photo 2 of 2 : UCIP_FA_2017_38089_69296.jpg



Pump over sump off LS toe.

LM Start	1.33	Rating **	A/W	Issue No.	1058
LM End	1.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043293 °	38.043293 °
				-121.349270 °	-121.349270 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38088 DS_ID:23693 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: [Thornton Road Pump Station] 5 of 6: 36-inch wrapped steel storm drainage pipe through the levee, approximately 3 feet below the crown. Pump station on the landside (LS). Flap gate on the waterside (WS) end. [Additional Reference(s): USACE San Joaquin O&M Manual 612 (addendum), February 1999, (HLM 2.16) (Station 114+25)]. FS Date: 5/20/2014					

Photo 1 of 2 : UCIP_FA_2017_38088_69295.jpg



Pipe and flapgate on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	1.33	Rating **	A/W	Issue No.	1058 (cont)	
LM End	1.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.043293 °		38.043293 °
				-121.349270 °		-121.349270 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38088 DS_ID:23693 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: [Thornton Road Pump Station] 5 of 6: 36-inch wrapped steel storm drainage pipe through the levee, approximately 3 feet below the crown. Pump station on the landside (LS). Flap gate on the waterside (WS) end. [Additional Reference(s): USACE San Joaquin O&M Manual 612 (addendum), February 1999, (HLM 2.16) (Station 114+25)]. FS Date: 5/20/2014						

Photo 2 of 2 : UCIP_FA_2017_38088_69294.jpg



Pump over sump off LS toe.

LM Start	1.33	Rating **	A/W	Issue No.	1059
LM End	1.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043295 °	38.043295 °
				-121.349240 °	-121.349240 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38087 DS_ID:23694 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: [Thornton Road Pump Station] 6 of 6: 36-inch wrapped steel storm drainage pipe through the levee, approximately 3 feet below the crown. Pump station on the landside (LS). Flap gate on the waterside (WS) end. [Additional Reference(s): USACE San Joaquin O&M Manual 612 (addendum), February 1999, (HLM 2.16) (Station 114+25)]. FS Date: 5/20/2014					

Photo 1 of 2 : UCIP_FA_2017_38087_69293.jpg



Pipe and flapgate on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	1.33	Rating **	A/W	Issue No.	1059 (cont)
LM End	1.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043295 °	38.043295 °
				-121.349240 °	-121.349240 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38087 DS_ID:23694 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: [Thornton Road Pump Station] 6 of 6: 36-inch wrapped steel storm drainage pipe through the levee, approximately 3 feet below the crown. Pump station on the landside (LS). Flap gate on the waterside (WS) end. [Additional Reference(s): USACE San Joaquin O&M Manual 612 (addendum), February 1999, (HLM 2.16) (Station 114+25)]. FS Date: 5/20/2014					

Photo 2 of 2 : UCIP_FA_2017_38087_69292.jpg



Pump over sump off LS toe.

LM Start	1.43	Rating **	C	Issue No.	75
LM End	1.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.043318 °	38.043318 °
				-121.347516 °	-121.347516 °
DWR ID	DWR_NA0017_07_s_2017_75				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	1.77	Rating **	M	Issue No.	142
LM End	1.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.043290 °	38.043290 °
				-121.341189 °	-121.341189 °
DWR ID	DWR_NA0017_07_f_2017_142				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_151_142_20171016_00549.jpg



View of a rodent hole on the landside shoulder of the levee. Fall 2017

LM Start	1.89	Rating **	C	Issue No.	148
LM End	1.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.043243 °	38.043243 °
				-121.339015 °	-121.339015 °
DWR ID	DWR_NA0017_07_s_2017_148				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	2.01	Rating **	M	Issue No.	143
LM End	2.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043237 °	38.043214 °
				-121.336793 °	-121.333463 °
DWR ID	DWR_NA0017_07_f_2017_143				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	2.31	Rating **	A/W	Issue No.	1065 (cont)	
LM End	2.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.043195 °	38.043195 °	
				-121.331260 °	-121.331260 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38024						
DS_ID:23522						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 2.59)].						
FS Date: 5/20/2014						

Photo 3 of 3 : UCIP_FA_2017_38024_69203.jpg



Headwall at LS toe.

LM Start	2.49	Rating **	M	Issue No.	149
LM End	2.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.043166 °	38.043163 °
				-121.327967 °	-121.323913 °
DWR ID	DWR_NA0017_07_s_2017_149				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_151_149_20171016_00550.jpg



Tree limbs obstruction view of the landside slope of the levee looking upstream.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	2.64	Rating **	A/W	Issue No.	1066
LM End	2.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043146 °	38.043146 °
				-121.325350 °	-121.325350 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38006 DS_ID:23523 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 2.82)]. FS Date: 5/20/2014					

Photo 1 of 3 : UCIP_FA_2017_38006_69190.jpg



Headwall, flapgate, and grouted spillway on WS toe.

LM Start	2.64	Rating **	A/W	Issue No.	1066 (cont)
LM End	2.64	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38006_69189.jpg



Headwall at inlet on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	2.64	Rating **	A/W	Issue No.	1066 (cont)	
LM End	2.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.043146 °	38.043146 °	
				-121.325350 °	-121.325350 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38006						
DS_ID:23523						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 2.82)].						
FS Date: 5/20/2014						

Photo 3 of 3 : UCIP_FA_2017_38006_69188.jpg



Headwall and flapgate at WS toe.

LM Start	2.71	Rating **	M	Issue No.	145
LM End	2.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.043163 °	38.043163 °
				-121.323913 °	-121.323913 °
DWR ID	DWR_NA0017_07_f_2017_145				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_151_145_20171016_00552.jpg



View of rodent holes on the landside of the levee looking upstream. Fall 2017

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	2.80	Rating **	A/W	Issue No.	1067	
LM End	2.80	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.043164 °	38.043164 °	
				-121.322283 °	-121.322283 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38004						
DS_ID:23525						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 3.09)].						
FS Date: 5/20/2014						

Photo 1 of 3 : UCIP_FA_2017_38004_69184.jpg



Headwall and flapgate on WS slope.

LM Start	2.80	Rating **	A/W	Issue No.	1067 (cont)
LM End	2.80	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38004_69183.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	2.80	Rating **	A/W	Issue No.	1067 (cont)	
LM End	2.80	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.043164 °	38.043164 °	
				-121.322283 °	-121.322283 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38004 DS_ID:23525 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 3.09)]. FS Date: 5/20/2014						

Photo 3 of 3 : UCIP_FA_2017_38004_69182.jpg



Headwall at LS toe.

LM Start	2.83	Rating **	A/W	Issue No.	1068
LM End	2.83	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043199 °	38.043199 °
				-121.321841 °	-121.321841 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37999 DS_ID:23526 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 3.12) and 612 (addendum), February 1999, (HLM 3.15) (Station 166+25)]. FS Date: 5/15/2014					

Photo 1 of 3 : UCIP_FA_2017_37999_69164.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	2.83	Rating **	A/W	Issue No.	1068 (cont)	
LM End	2.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.043199 °		38.043199 °
				-121.321841 °		-121.321841 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37999 DS_ID:23526 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 3.12) and 612 (addendum), February 1999, (HLM 3.15) (Station 166+25)]. FS Date: 5/15/2014						

Photo 2 of 3 : UCIP_FA_2017_37999_69163.jpg



Inside pipe at LS toe.

LM Start	2.83	Rating **	A/W	Issue No.	1068 (cont)
LM End	2.83	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_37999_69162.jpg



Headwall and flapgate at WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	3.06	Rating **	A/W	Issue No.	1069
LM End	3.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043195 °	38.043195 °
				-121.317498 °	-121.317498 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37998					
DS_ID:23528					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 42-inch corrugated metal drainage pipe through the levee, 7.3 feet below the crown. Concrete U-shaped headwall on both sides. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 3.36)].					
FS Date: 5/15/2014					

Photo 1 of 3 : UCIP_FA_2017_37998_69160.jpg



Headwall on LS slope.

LM Start	3.06	Rating **	A/W	Issue No.	1069 (cont)
LM End	3.06	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37998_69159.jpg



Headwall and flapgate on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	3.06	Rating **	A/W	Issue No.	1069 (cont)	
LM End	3.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.043195 °		38.043195 °
				-121.317498 °		-121.317498 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37998 DS_ID:23528 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 42-inch corrugated metal drainage pipe through the levee, 7.3 feet below the crown. Concrete U-shaped headwall on both sides. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 3.36)]. FS Date: 5/15/2014						

Photo 3 of 3 : UCIP_FA_2017_37998_69158.jpg



Headwall on LS slope.

LM Start	3.14	Rating **	M	Issue No.	146
LM End	3.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043173 °	38.043167 °
				-121.316163 °	-121.315018 °
DWR ID	DWR_NA0017_07_f_2017_146				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	3.27	Rating **	A/W	Issue No.	1071
LM End	3.27	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043193 °	38.043193 °
				-121.313684 °	-121.313684 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37991 DS_ID:23532 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 3.58)]. FS Date: 5/15/2014					

Photo 1 of 3 : UCIP_FA_2017_37991_69144.jpg



Headwall at LS toe.

LM Start	3.27	Rating **	A/W	Issue No.	1071 (cont)
LM End	3.27	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37991_69143.jpg



Headwall and flapgate at WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	3.27	Rating **	A/W	Issue No.	1071 (cont)	
LM End	3.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.043193 °	38.043193 °	
				-121.313684 °	-121.313684 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37991						
DS_ID:23532						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 3.58)].						
FS Date: 5/15/2014						

Photo 3 of 3 : UCIP_FA_2017_37991_69142.jpg



Headwall at LS toe.

LM Start	3.49	Rating **	A/W	Issue No.	1072
LM End	3.49	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043048 °	38.043048 °
				-121.309641 °	-121.309641 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37988 DS_ID:23533 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Slide gate on the landside (LS) end. Grouted intake on the LS. Cobble grouted spillway across berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 3.81)]. FS Date: 5/15/2014					

Photo 1 of 3 : UCIP_FA_2017_37988_69139.jpg



Headwall and slidegate on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	3.78	Rating **	A/W	Issue No.	1073
LM End	3.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.042997 °	38.042997 °
				-121.304345 °	-121.304345 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:37984
DS_ID:23534
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Slide gate on the landside (LS) end. Grouted intake on the LS. Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 4.10) and 612 (addendum), February 1999, (HLM 4.10) (Station 216+43)].
FS Date: 5/15/2014

LM Start	3.78	Rating **	A/W	Issue No.	1073 (cont)
LM End	3.78	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_37984_69129.jpg



Slidegate at headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2017_37984_69128.jpg



Headwall and flapgate at WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	3.78	Rating **	A/W	Issue No.	1073 (cont)	
LM End	3.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.042997 °	38.042997 °	
				-121.304345 °	-121.304345 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37984 DS_ID:23534 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Slide gate on the landside (LS) end. Grouted intake on the LS. Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 4.10) and 612 (addendum), February 1999, (HLM 4.10) (Station 216+43)]. FS Date: 5/15/2014						

Photo 3 of 3 : UCIP_FA_2017_37984_69127.jpg



Slidegate at headwall on LS toe.

LM Start	4.05	Rating **	A/W	Issue No.	1074
LM End	4.05	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043975 °	38.043975 °
				-121.299901 °	-121.299901 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37982					
DS_ID:23535					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 4.37) and 612 (addendum), February 1999, (HLM 4.33) (Station 228+58)].					
FS Date: 5/15/2014					

Photo 1 of 3 : UCIP_FA_2017_37982_69125.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	4.05	Rating **	A/W	Issue No.	1074 (cont)	
LM End	4.05	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.043975 °	38.043975 °	
				-121.299901 °	-121.299901 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37982						
DS_ID:23535						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 4.37) and 612 (addendum), February 1999, (HLM 4.33) (Station 228+58)].						
FS Date: 5/15/2014						

Photo 2 of 3 : UCIP_FA_2017_37982_69124.jpg



Headwall at LS toe.

LM Start	4.05	Rating **	A/W	Issue No.	1074 (cont)
LM End	4.05	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_37982_69123.jpg



Inside pipe at LS toe.

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

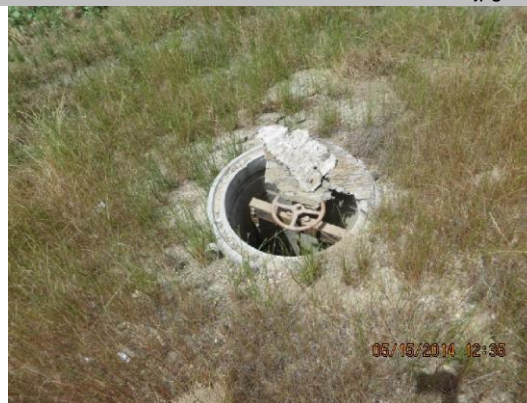
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	4.29	Rating **	A/W	Issue No.	1075
LM End	4.29	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.044651 °	38.044651 °
				-121.295592 °	-121.295592 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37981 DS_ID:23536 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal pipe siphon through the levee, 10.4 feet below the crown. Slide gate in 36-inch corrugated metal riser unit on the waterside (WS) slope. Siphon cleanout in center of channel. Slide gate in concrete standpipe at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 4.62) and 612 (addendum), February 1999, (HLM 4.62) (Station 243+84)]. FS Date: 5/15/2014					

Photo 1 of 3 : UCIP_FA_2017_37981_69122.jpg



Slidegate in concrete riser on LS slope.

LM Start	4.29	Rating **	A/W	Issue No.	1075 (cont)
LM End	4.29	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37981_69121.jpg



Slidegate in CMP riser on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	4.29	Rating **	A/W	Issue No.	1075 (cont)
LM End	4.29	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.044651 °	38.044651 °
				-121.295592 °	-121.295592 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37981 DS_ID:23536 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal pipe siphon through the levee, 10.4 feet below the crown. Slide gate in 36-inch corrugated metal riser unit on the waterside (WS) slope. Siphon cleanout in center of channel. Slide gate in concrete standpipe at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 4.62) and 612 (addendum), February 1999, (HLM 4.62) (Station 243+84)]. FS Date: 5/15/2014					

Photo 3 of 3 : UCIP_FA_2017_37981_69120.jpg



Adjoining CMP riser on opposite bank.

LM Start	4.33	Rating **	A/W	Issue No.	1077
LM End	4.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.044917 °	38.044917 °
				-121.295062 °	-121.295062 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37973					
DS_ID:23538					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.3 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 4.66)].					
FS Date: 5/15/2014					

Photo 1 of 3 : UCIP_FA_2017_37973_69105.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	4.33	Rating **	A/W	Issue No.	1077 (cont)	
LM End	4.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.044917 °		38.044917 °
				-121.295062 °		-121.295062 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37973						
DS_ID:23538						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.3 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 4.66)].						
FS Date: 5/15/2014						

Photo 2 of 3 : UCIP_FA_2017_37973_69104.jpg



Headwall, flapgate, and grouted spillway on WS toe.

LM Start	4.33	Rating **	A/W	Issue No.	1077 (cont)
LM End	4.33	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_37973_69103.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	4.48	Rating **	A/W	Issue No.	1078	
LM End	4.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.046745 °	38.046745 °	
				-121.293602 °	-121.293602 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37969 DS_ID:23539 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 8-inch pipe of an unknown material or unknown purpose through the levee, 9.4 feet below the crown. Flap gate on the waterside (WS) end. 40-inch corrugated metal riser unit with slide gate on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 4.82)]. FS Date: 5/15/2014						

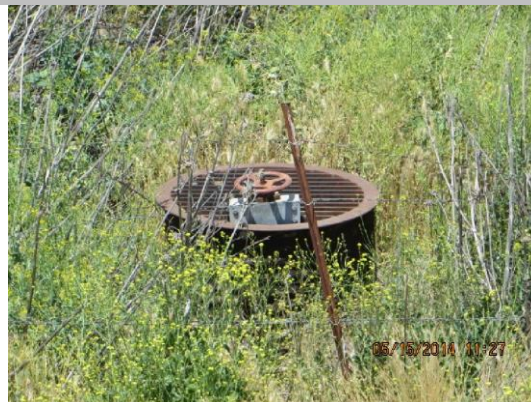
Photo 1 of 3 : UCIP_FA_2017_37969_69093.jpg



CMP riser with slide gate on LS toe.

LM Start	4.48	Rating **	A/W	Issue No.	1078 (cont)
LM End	4.48	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37969_69092.jpg



CMP riser with slide gate on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	4.48	Rating **	A/W	Issue No.	1078 (cont)	
LM End	4.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.046745 °	38.046745 °	
				-121.293602 °	-121.293602 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37969						
DS_ID:23539						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 8-inch pipe of an unknown material or unknown purpose through the levee, 9.4 feet below the crown. Flap gate on the waterside (WS) end. 40-inch corrugated metal riser unit with slide gate on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 4.82)].						
FS Date: 5/15/2014						

Photo 3 of 3 : UCIP_FA_2017_37969_69091.jpg



Paddle/micarta sign marks pipe at outlet on WS toe.

LM Start	4.54	Rating **	A/W	Issue No.	1079
LM End	4.54	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.047472 °	38.047472 °
				-121.293007 °	-121.293007 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37967 DS_ID:23540 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 8.8 feet below the crown. 44-inch concrete standpipe on the landside (LS) toe. Concrete U-shaped headwall on the waterside (WS) end. Flap gate on the WS end. Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 4.88) and 612 (addendum), February 1999, (HLM 4.88) (Station 257+60)]. FS Date: 5/15/2014					

Photo 1 of 3 : UCIP_FA_2017_37967_69085.jpg



Concrete standpipe on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	4.54	Rating **	A/W	Issue No.	1079 (cont)	
LM End	4.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.047472 °		38.047472 °
				-121.293007 °		-121.293007 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37967						
DS_ID:23540						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 8.8 feet below the crown. 44-inch concrete standpipe on the landside (LS) toe. Concrete U-shaped headwall on the waterside (WS) end. Flap gate on the WS end. Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 4.88) and 612 (addendum), February 1999, (HLM 4.88) (Station 257+60)].						
FS Date: 5/15/2014						

LM Start	4.54	Rating **	A/W	Issue No.	1079 (cont)
LM End	4.54	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37967_69084.jpg



Headwall and flapgate on WS toe.

Photo 3 of 3 : UCIP_FA_2017_37967_69083.jpg



Headwall and flapgate on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	4.80	Rating **	C	Issue No.	79
LM End	4.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.049833 °	38.049833 °
				-121.289359 °	-121.289359 °
DWR ID	DWR_NA0017_07_f_2016_79				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	4.97	Rating **	A/W	Issue No.	1081
LM End	4.97	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.050685 °	38.050685 °
				-121.286569 °	-121.286569 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37957					
DS_ID:23543					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal storm drainage pipe through the levee, 8.9 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 5.33) and 612 (addendum), February 1999, (HLM 5.37) (Station 283+76)].					
FS Date: 5/15/2014					

Photo 1 of 3 : UCIP_FA_2017_37957_69055.jpg



Headwall on LS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	4.97	Rating **	A/W	Issue No.	1081 (cont)	
LM End	4.97	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.050685 °	38.050685 °	
				-121.286569 °	-121.286569 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37957 DS_ID:23543 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal storm drainage pipe through the levee, 8.9 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 5.33) and 612 (addendum), February 1999, (HLM 5.37) (Station 283+76)]. FS Date: 5/15/2014						

Photo 2 of 3 : UCIP_FA_2017_37957_69054.jpg



Headwall and flapgate on WS toe.

LM Start	4.97	Rating **	A/W	Issue No.	1081 (cont)
LM End	4.97	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_37957_69053.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	4.97	Rating **	M	Issue No.	1082	
LM End	4.97	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.050700 °		38.050700 °
				-121.286552 °		-121.286552 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41807						
DS_ID:23678						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Some silt buildup in pipe.						
FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 8.9 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 5.33)].						
FS Date: 5/15/2014						

LM Start	4.97	Rating **	M	Issue No.	1082 (cont)
LM End	4.97	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_41807_69050.jpg



Concrete headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2017_41807_69049.jpg



Headwall and flapgate on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	4.97	Rating **	M	Issue No.	1082 (cont)	
LM End	4.97	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.050700 °		38.050700 °
				-121.286552 °		-121.286552 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41807						
DS_ID:23678						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Some silt buildup in pipe.						
FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 8.9 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 5.33)].						
FS Date: 5/15/2014						

Photo 3 of 3 : UCIP_FA_2017_41807_69048.jpg



Headwall at LS toe.

LM Start	5.50	Rating **	M	Issue No.	73
LM End	5.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.052753 °	38.052753 °
				-121.277680 °	-121.277680 °
DWR ID	DWR_NA0017_07_f_2012_73				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion caused by vehicle, and the slopes are stable.					

Photo 1 of 1 : FA_2017_NA0017_151_73_20170921_00025.jpg



Slope instability was found on the water side of the levee looking down stream.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	5.50	Rating **	A/W	Issue No.	1083
LM End	5.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.052790 °	38.052790 °
				-121.277636 °	-121.277636 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37885 DS_ID:23544 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal storm drainage pipe through the levee, 10.6 feet below the crown. Concrete U-shaped headwall on the waterside (WS) end. Flap gate on the WS end. Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 5.87) and 612 (addendum), February 1999, (HLM 5.81) (Station 306+88)]. FS Date: 5/15/2014					

LM Start	5.50	Rating **	A/W	Issue No.	1083 (cont)
LM End	5.50	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_37885_68913.jpg



Pipe in channel on LS toe.

Photo 2 of 3 : UCIP_FA_2017_37885_68912.jpg



Pipe in channel on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	5.50	Rating **	A/W	Issue No.	1083 (cont)
LM End	5.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.052790 °	38.052790 °
				-121.277636 °	-121.277636 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37885 DS_ID:23544 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal storm drainage pipe through the levee, 10.6 feet below the crown. Concrete U-shaped headwall on the waterside (WS) end. Flap gate on the WS end. Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 5.87) and 612 (addendum), February 1999, (HLM 5.81) (Station 306+88)]. FS Date: 5/15/2014					

Photo 3 of 3 : UCIP_FA_2017_37885_68911.jpg



Flapgate and headwall at WS toe.

LM Start	5.52	Rating **	M	Issue No.	1085
LM End	5.52	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.052797 °	38.052797 °
				-121.277231 °	-121.277231 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41801					
DS_ID:23545					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some sediment buildup inside pipe.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.9 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across berm.					
[Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 5.90)].					
FS Date: 5/15/2014					

Photo 1 of 3 : UCIP_FA_2017_41801_68902.jpg



Headwall and flapgate on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	5.52	Rating **	M	Issue No.	1085 (cont)	
LM End	5.52	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.052797 °		38.052797 °
				-121.277231 °		-121.277231 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41801 DS_ID:23545 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some sediment buildup inside pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.9 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 5.90)]. FS Date: 5/15/2014						

Photo 2 of 3 : UCIP_FA_2017_41801_68901.jpg



Headwall on LS toe.

LM Start	5.52	Rating **	M	Issue No.	1085 (cont)
LM End	5.52	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_41801_68900.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	5.52	Rating **	M	Issue No.	150
LM End	5.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.052758 °	38.052758 °
				-121.277215 °	-121.277215 °
DWR ID	DWR_NA0017_07_f_2017_150				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_151_150_20171016_00553.jpg



View of a slope instability on the waterside slope of the levee looking downstream. Fall 2017

LM Start	5.60	Rating **	M	Issue No.	1086	
LM End	5.60	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.052793 °		38.052793 °
				-121.275858 °		-121.275858 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40213 DS_ID:23546 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet burried at LS toe. Pipe may be abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 36-inch corrugated metal drainage pipe through the levee, 7.9 feet below the crown. Concrete U-shaped headwall on the waterside (WS) end. Concrete headwall on the landside (LS). Flap gate on the WS end. Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 5.97)]. FS Date: 5/15/2014						

Photo 1 of 2 : UCIP_FA_2017_40213_68899.jpg



Headwall and flapgate at WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	5.60	Rating **	M	Issue No.	1086 (cont)
LM End	5.60	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.052793 °	38.052793 °
				-121.275858 °	-121.275858 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40213 DS_ID:23546 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet burried at LS toe. Pipe may be abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 36-inch corrugated metal drainage pipe through the levee, 7.9 feet below the crown. Concrete U-shaped headwall on the waterside (WS) end. Concrete headwall on the landside (LS). Flap gate on the WS end. Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 5.97)]. FS Date: 5/15/2014					

Photo 2 of 2 : UCIP_FA_2017_40213_68898.jpg



Headwall and flapgate at WS toe.

LM Start	5.82	Rating **	A/W	Issue No.	1088
LM End	5.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.053578 °	38.053578 °
				-121.271938 °	-121.271938 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37874 DS_ID:23550 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.9 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 6.20)]. FS Date: 5/15/2014					

Photo 1 of 3 : UCIP_FA_2017_37874_68894.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	5.82	Rating **	A/W	Issue No.	1088 (cont)	
LM End	5.82	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.053578 °		38.053578 °
				-121.271938 °		-121.271938 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37874						
DS_ID:23550						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.9 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 6.20)].						
FS Date: 5/15/2014						

Photo 2 of 3 : UCIP_FA_2017_37874_68893.jpg



Headwall on LS toe.

LM Start	5.82	Rating **	A/W	Issue No.	1088 (cont)
LM End	5.82	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_37874_68897.jpg



Inside pipe at LS toe. Note sediment buildup.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	5.93	Rating **	M	Issue No.	1089	
LM End	5.93	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.053679 °		38.053679 °
				-121.269812 °		-121.269812 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41802						
DS_ID:23551						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Sediment buildup in pipe at LS toe.						
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 5.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 6.32) and 612 (addendum), February 1999, (HLM 6.34) (Station 334+54), listed as a 36-inch pipe].						
FS Date: 5/15/2014						

Photo 1 of 3 : UCIP_FA_2017_41802_68885.jpg



Headwall and flapgate on WS toe.

LM Start	5.93	Rating **	M	Issue No.	1089 (cont)
LM End	5.93	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_41802_68884.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	6.13	Rating **	A/W	Issue No.	1091
LM End	6.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.054497 °	38.054497 °
				-121.266387 °	-121.266387 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37852 DS_ID:23554 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.3 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 6.53)]. FS Date: 5/15/2014					

Photo 1 of 3 : UCIP_FA_2017_37852_68873.jpg



Headwall on LS toe.

LM Start	6.13	Rating **	A/W	Issue No.	1091 (cont)
LM End	6.13	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37852_68872.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	6.13	Rating **	A/W	Issue No.	1091 (cont)	
LM End	6.13	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.054497 °	38.054497 °	
				-121.266387 °	-121.266387 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37852						
DS_ID:23554						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.3 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 6.53)].						
FS Date: 5/15/2014						

Photo 3 of 3 : UCIP_FA_2017_37852_68871.jpg



Headwall on LS toe.

LM Start	6.44	Rating **	A/W	Issue No.	1092
LM End	6.44	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.057275 °	38.057275 °
				-121.262193 °	-121.262193 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37849 DS_ID:23555 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.7 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 6.85)]. FS Date: 5/15/2014					

Photo 1 of 3 : UCIP_FA_2017_37849_68868.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	6.44	Rating **	A/W	Issue No.	1092 (cont)	
LM End	6.44	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.057275 °		38.057275 °
				-121.262193 °		-121.262193 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37849						
DS_ID:23555						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.7 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 6.85)].						
FS Date: 5/15/2014						

Photo 2 of 3 : UCIP_FA_2017_37849_68867.jpg



Pipe and headwall on LS toe.

LM Start	6.44	Rating **	A/W	Issue No.	1092 (cont)
LM End	6.44	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_37849_68866.jpg



Inside pipe at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	6.62	Rating **	A/W	Issue No.	1095
LM End	6.62	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.059521 °	38.059521 °
				-121.261491 °	-121.261491 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37847 DS_ID:23557 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 6.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across the berm. Culvert with slide gate in WID headwall on the WS. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 7.02) and 612 (addendum), February 1999, (HLM 6.97) (Station 368+08)]. FS Date: 5/15/2014					

Photo 1 of 3 : UCIP_FA_2017_37847_68860.jpg



Pipe and headwall on LS toe.

LM Start	6.62	Rating **	A/W	Issue No.	1095 (cont)
LM End	6.62	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37847_68859.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	6.79	Rating **	A/W	Issue No.	1098	
LM End	6.79	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.061364 °	38.061364 °	
				-121.259452 °	-121.259452 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40534 DS_ID:23560 EP_NO: 16684-J Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across the berm. Barricade cross fence. (Permit No. 16684-J, 1997 - San Joaquin County Flood Control Agency). [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 7.19)]. FS Date: 5/15/2014						

Photo 1 of 1 : UCIP_FA_2017_40534_68856.jpg



Pipe, flapgate, and headwall on WS toe.

LM Start	6.82	Rating **	A/W	Issue No.	1099	
LM End	6.82	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.061678 °	38.061678 °	
				-121.259084 °	-121.259084 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37844						
DS_ID:23561						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 36-inch concrete drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across berm. Cobble grouted apron on the landside (LS) end.						
[Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 7.21)].						
FS Date: 5/15/2014						

Photo 1 of 3 : UCIP_FA_2017_37844_68853.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	6.82	Rating **	A/W	Issue No.	1099 (cont)
LM End	6.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.061678 °	38.061678 °
				-121.259084 °	-121.259084 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:37844
DS_ID:23561
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 36-inch concrete drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across berm. Cobble grouted apron on the landside (LS) end.
[Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 7.21)].
FS Date: 5/15/2014

LM Start	6.82	Rating **	A/W	Issue No.	1099 (cont)
LM End	6.82	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37844_68852.jpg



Slide gate in a 72-inch concrete riser on WS slope.

Photo 3 of 3 : UCIP_FA_2017_37844_68851.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	6.95	Rating **	A/W	Issue No.	1100
LM End	6.95	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.062847 °	38.062847 °
				-121.257143 °	-121.257143 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37842					
DS_ID:23562					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 7.34) and 612 (addendum), February 1999, (HLM 7.30) (Station 385+65)].					
FS Date: 5/15/2014					

LM Start	6.95	Rating **	A/W	Issue No.	1100 (cont)
LM End	6.95	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_37842_68848.jpg



Headwall, pipe, flapgate, and grouted spillway on WS toe.

Photo 2 of 3 : UCIP_FA_2017_37842_68847.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	6.95	Rating **	A/W	Issue No.	1100 (cont)
LM End	6.95	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.062847 °	38.062847 °
				-121.257143 °	-121.257143 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37842 DS_ID:23562 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 7.34) and 612 (addendum), February 1999, (HLM 7.30) (Station 385+65)]. FS Date: 5/15/2014					

Photo 3 of 3 : UCIP_FA_2017_37842_68846.jpg



Pipe and headwall on LS toe.

LM Start	7.11	Rating **	A/W	Issue No.	1101	
LM End	7.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.064076 °	38.064076 °	
				-121.254656 °	-121.254656 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37841						
DS_ID:23563						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 7.51) and 612 (addendum), February 1999, (HLM 7.45) (Station 393+26)].						
FS Date: 5/15/2014						

Photo 1 of 3 : UCIP_FA_2017_37841_68843.jpg



Pipe, headwall, flapgate, and grouted spillway on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	7.11	Rating **	A/W	Issue No.	1101 (cont)	
LM End	7.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.064076 °		38.064076 °
				-121.254656 °		-121.254656 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37841						
DS_ID:23563						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 7.51) and 612 (addendum), February 1999, (HLM 7.45) (Station 393+26)].						
FS Date: 5/15/2014						

LM Start	7.11	Rating **	A/W	Issue No.	1101 (cont)
LM End	7.11	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37841_68842.jpg



Pipe and headwall at LS toe.

Photo 3 of 3 : UCIP_FA_2017_37841_68841.jpg



Pipe and headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	7.31	Rating **	A/W	Issue No.	1102	
LM End	7.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.064970 °		38.064970 °
				-121.251261 °		-121.251261 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37840 DS_ID:23564 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 7.72)]. FS Date: 5/15/2014						

Photo 1 of 3 : UCIP_FA_2017_37840_68838.jpg



Pipe and headwall on LS toe.

LM Start	7.31	Rating **	A/W	Issue No.	1102 (cont)
LM End	7.31	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37840_68837.jpg



Pipe, headwall, flapgate, and grouted spillway on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	7.31	Rating **	A/W	Issue No.	1102 (cont)	
LM End	7.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.064970 °	38.064970 °	
				-121.251261 °	-121.251261 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37840						
DS_ID:23564						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 7.72)].						
FS Date: 5/15/2014						

Photo 3 of 3 : UCIP_FA_2017_37840_68836.jpg



Pipe and headwall on LS toe.

LM Start	7.35	Rating **	A/W	Issue No.	1103
LM End	7.35	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.065036 °	38.065036 °
				-121.250691 °	-121.250691 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37839 DS_ID:23565 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 7.75)]. FS Date: 5/15/2014					

Photo 1 of 3 : UCIP_FA_2017_37839_68833.jpg



Pipe, headwall, flapgate, and grouted spillway on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	7.35	Rating **	A/W	Issue No.	1103 (cont)	
LM End	7.35	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.065036 °		38.065036 °
				-121.250691 °		-121.250691 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37839 DS_ID:23565 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 7.75)]. FS Date: 5/15/2014						

Photo 2 of 3 : UCIP_FA_2017_37839_68832.jpg



Pipe and headwall on LS toe.

LM Start	7.35	Rating **	A/W	Issue No.	1103 (cont)
LM End	7.35	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_37839_68831.jpg



Pipe and headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	7.36	Rating **	A/W	Issue No.	1104
LM End	7.36	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.065066 °	38.065066 °
				-121.250523 °	-121.250523 °
DWR ID					

Comment Code

[illegible]

Inspector Comment	
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FS_ID:37838
DS_ID:23566
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 7.76) and 612 (addendum), February 1999, (HLM 7.78) (Station 410+54)].
FS Date: 5/15/2014

LM Start	7.36	Rating **	A/W	Issue No.	1104 (cont)
LM End	7.36	Issue Type +	Ma	Location *	

Pipe and headwall on LS toe.

Pipe, headwall, flapgate, and grouted spillway on WS 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 Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	7.36	Rating **	A/W	Issue No.	1104 (cont)
LM End	7.36	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.065066 °	38.065066 °
				-121.250523 °	-121.250523 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37838 DS_ID:23566 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 7.76) and 612 (addendum), February 1999, (HLM 7.78) (Station 410+54)]. FS Date: 5/15/2014					

Photo 3 of 3 : UCIP_FA_2017_37838_68826.jpg



Pipe and headwall on LS toe. Irrigation pipe laying inside pipe.

LM Start	7.58	Rating **	A/W	Issue No.	1105
LM End	7.58	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.066936 °	38.066936 °
				-121.247140 °	-121.247140 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37837					
DS_ID:23567					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 7.99) and 612 (addendum), February 1999, (HLM 7.94) (Station 419+06)].					
FS Date: 5/15/2014					

Photo 1 of 3 : UCIP_FA_2017_37837_68823.jpg



Pipe, flapgate, headwall, and grouted spillway on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	7.58	Rating **	A/W	Issue No.	1105 (cont)	
LM End	7.58	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.066936 °	38.066936 °	
				-121.247140 °	-121.247140 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37837						
DS_ID:23567						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 7.99) and 612 (addendum), February 1999, (HLM 7.94) (Station 419+06)].						
FS Date: 5/15/2014						

Photo 2 of 3 : UCIP_FA_2017_37837_68822.jpg



Pipe and headwall on LS toe.

LM Start	7.58	Rating **	A/W	Issue No.	1105 (cont)
LM End	7.58	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_37837_68821.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	7.73	Rating **	A/W	Issue No.	1106	
LM End	7.73	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.067466 °	38.067466 °	
				-121.244455 °	-121.244455 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37835						
DS_ID:23568						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 8.15)].						
FS Date: 5/14/2014						

Photo 1 of 3 : UCIP_FA_2017_37835_68818.jpg



Pipe, flapgate, and headwall at WS toe.

LM Start	7.73	Rating **	A/W	Issue No.	1106 (cont)
LM End	7.73	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37835_68817.jpg



Pipe and headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	7.73	Rating **	A/W	Issue No.	1106 (cont)	
LM End	7.73	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.067466 °	38.067466 °	
				-121.244455 °	-121.244455 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37835 DS_ID:23568 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 8.15)]. FS Date: 5/14/2014						

Photo 3 of 3 : UCIP_FA_2017_37835_68816.jpg



Pipe and headwall at LS toe.

LM Start	8.07	Rating **	A/W	Issue No.	1107
LM End	8.07	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.067486 °	38.067486 °
				-121.238309 °	-121.238309 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37830					
DS_ID:23570					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 6.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 8.49) and 612 (addendum), February 1999, (HLM 8.41) (Station 444+00)].					
FS Date: 5/14/2014					

Photo 1 of 3 : UCIP_FA_2017_37830_68804.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	8.07	Rating **	A/W	Issue No.	1107 (cont)	
LM End	8.07	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.067486 °		38.067486 °
				-121.238309 °		-121.238309 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37830 DS_ID:23570 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 6.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 8.49) and 612 (addendum), February 1999, (HLM 8.41) (Station 444+00)]. FS Date: 5/14/2014						

Photo 2 of 3 : UCIP_FA_2017_37830_68803.jpg



Pipe and headwall on LS toe.

LM Start	8.07	Rating **	A/W	Issue No.	1107 (cont)
LM End	8.07	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_37830_68802.jpg



Inside pipe on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	8.34	Rating **	M	Issue No.	1108	
LM End	8.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.067959 °		38.067959 °
				-121.233443 °		-121.233443 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37826 DS_ID:23572 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: A gap at the joint between pipe sections was noted inside pipe at LS toe. This may indicate a need for further maintenance. FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 8.77)]. FS Date: 5/14/2014						

Photo 1 of 3 : UCIP_FA_2017_37826_68796.jpg



Pipe and headwall on LS toe.

LM Start	8.34	Rating **	M	Issue No.	1108 (cont)
LM End	8.34	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37826_68795.jpg



Inside pipe at LS toe. Note gap at joint between pipes.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	8.34	Rating **	M	Issue No.	1108 (cont)
LM End	8.34	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.067959 °	38.067959 °
				-121.233443 °	-121.233443 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37826 DS_ID:23572 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: A gap at the joint between pipe sections was noted inside pipe at LS toe. This may indicate a need for further maintenance. FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 8.77)]. FS Date: 5/14/2014					

Photo 3 of 3 : UCIP_FA_2017_37826_68794.jpg



Headwall, pipe, flapgate, and grouted spillway on WS toe.

LM Start	8.34	Rating **	M	Issue No.	1109
LM End	8.34	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.067971 °	38.067971 °
				-121.233350 °	-121.233350 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37825					
DS_ID:23573					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some gaps in Joints between pipe sections noted inside pipe on LS toe. May indicate a need for further maintenance.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 8.78)].					
FS Date: 5/14/2014					

Photo 1 of 3 : UCIP_FA_2017_37825_68791.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	8.34	Rating **	M	Issue No.	1109 (cont)	
LM End	8.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.067971 °		38.067971 °
				-121.233350 °		-121.233350 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37825 DS_ID:23573 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some gaps in Joints between pipe sections noted inside pipe on LS toe. May indicate a need for further maintenance. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 8.78)]. FS Date: 5/14/2014						

LM Start	8.34	Rating **	M	Issue No.	1109 (cont)
LM End	8.34	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37825_68790.jpg



Pipe, headwall, flapgate, and grouted spillway on WS toe.

Photo 3 of 3 : UCIP_FA_2017_37825_68789.jpg



Pipe, headwall, and flapgate on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	8.54	Rating **	A/W	Issue No.	1110
LM End	8.54	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.068838 °	38.068838 °
				-121.229996 °	-121.229996 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:37818
DS_ID:23574
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 8.97) and 612 (addendum), February 1999, (HLM 8.90) (Station 469+82)].
FS Date: 5/14/2014

LM Start	8.54	Rating **	A/W	Issue No.	1110 (cont)
LM End	8.54	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_37818_68761.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2017_37818_68760.jpg



Pipe, flapgate, headwall, and grouted spillway on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	8.54	Rating **	A/W	Issue No.	1110 (cont)	
LM End	8.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.068838 °	38.068838 °	
				-121.229996 °	-121.229996 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37818 DS_ID:23574 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 8.97) and 612 (addendum), February 1999, (HLM 8.90) (Station 469+82)]. FS Date: 5/14/2014						

Photo 3 of 3 : UCIP_FA_2017_37818_68759.jpg



Pipe and headwall on LS toe.

LM Start	8.73	Rating **	A/W	Issue No.	1111	
LM End	8.73	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.070171 °	38.070171 °	
				-121.226915 °	-121.226915 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40206 DS_ID:23576 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Skunks in pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 6.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 9.17) and 612 (addendum), February 1999, (HLM 9.17) (Station 484+30)]. FS Date: 5/14/2014						

Photo 1 of 3 : UCIP_FA_2017_40206_68756.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	8.96	Rating **	A/W	Issue No.	1112
LM End	8.96	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.070330 °	38.070330 °
				-121.222680 °	-121.222680 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42951					
DS_ID:23578					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 9.41) and 612 (addendum), February 1999, (HLM 9.37) (Station 494+50)].					
FS Date: 5/14/2014					

LM Start	8.96	Rating **	A/W	Issue No.	1112 (cont)
LM End	8.96	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_42951_68751.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2017_42951_68750.jpg



Headwall, pipe, flapgate, and grouted spillway on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	8.96	Rating **	A/W	Issue No.	1112 (cont)	
LM End	8.96	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.070330 °	38.070330 °	
				-121.222680 °	-121.222680 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:42951 DS_ID:23578 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 9.41) and 612 (addendum), February 1999, (HLM 9.37) (Station 494+50)]. FS Date: 5/14/2014						

Photo 3 of 3 : UCIP_FA_2017_42951_68749.jpg



Pipe and headwall on LS toe.

LM Start	9.11	Rating **	A/W	Issue No.	1113	
LM End	9.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.070367 °	38.070367 °	
				-121.219932 °	-121.219932 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37813						
DS_ID:23580						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 6.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on both ends. Cobble grouted spillway and apron. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 9.56) and 612 (addendum), February 1999, (HLM 9.56) (Station 504+71)].						
FS Date: 5/14/2014						

Photo 1 of 3 : UCIP_FA_2017_37813_68747.jpg



Headwall and pipe at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	9.11	Rating **	A/W	Issue No.	1113 (cont)
LM End	9.11	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.070367 °	38.070367 °
				-121.219932 °	-121.219932 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:37813
DS_ID:23580
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 6.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on both ends. Cobble grouted spillway and apron. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 9.56) and 612 (addendum), February 1999, (HLM 9.56) (Station 504+71)].
FS Date: 5/14/2014

LM Start	9.11	Rating **	A/W	Issue No.	1113 (cont)
LM End	9.11	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37813_68746.jpg



Headwall, pipe, flapgate, and grouted spillway on WS toe.

Photo 3 of 3 : UCIP_FA_2017_37813_68745.jpg



Headwall and pipe at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	9.45	Rating **	A/W	Issue No.	1114
LM End	9.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.073368 °	38.073368 °
				-121.215349 °	-121.215349 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37810					
DS_ID:23582					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the WS end.					
[Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 9.91)].					
FS Date: 5/14/2014					

Photo 1 of 3 : UCIP_FA_2017_37810_68742.jpg



Headwall and flapgate on WS toe.

LM Start	9.45	Rating **	A/W	Issue No.	1114 (cont)
LM End	9.45	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37810_68741.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	9.45	Rating **	A/W	Issue No.	1114 (cont)	
LM End	9.45	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.073368 °	38.073368 °	
				-121.215349 °	-121.215349 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37810						
DS_ID:23582						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe						
through the levee, 7.5 feet below the crown. Flap gate on the waterside						
(WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted						
spillway across the berm. Cobble grouted apron on the WS end.						
[Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin						
O&M Manual 612.2, 1967, (HLM 9.91)].						
FS Date: 5/14/2014						

Photo 3 of 3 : UCIP_FA_2017_37810_68740.jpg



Pipe and headwall on LS toe.

LM Start	9.63	Rating **	A/W	Issue No.	1115
LM End	9.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.074113 °	38.074113 °
				-121.212224 °	-121.212224 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37809 DS_ID:23583 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 10.09) and 612 (addendum), February 1999, (HLM 9.94) (Station 524+90)]. FS Date: 5/14/2014					

Photo 1 of 3 : UCIP_FA_2017_37809_68738.jpg



Concrete headwall and pipe on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	9.63	Rating **	A/W	Issue No.	1115 (cont)	
LM End	9.63	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.074113 °		38.074113 °
				-121.212224 °		-121.212224 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37809						
DS_ID:23583						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 10.09) and 612 (addendum), February 1999, (HLM 9.94) (Station 524+90)].						
FS Date: 5/14/2014						

Photo 2 of 3 : UCIP_FA_2017_37809_68737.jpg



Headwall, pipe, and flapgate on WS toe.

LM Start	9.63	Rating **	A/W	Issue No.	1115 (cont)
LM End	9.63	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_37809_68736.jpg



Inside pipe at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	9.65	Rating **	A/W	Issue No.	1116	
LM End	9.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.074201 °		38.074201 °
				-121.211920 °		-121.211920 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37807 DS_ID:23584 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 10.11)]. FS Date: 5/14/2014						

LM Start	9.65	Rating **	A/W	Issue No.	1116 (cont)
LM End	9.65	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_37807_68732.jpg



Headwall, pipe, flapgate, and grouted spillway on WS toe.

Photo 2 of 3 : UCIP_FA_2017_37807_68731.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	9.65	Rating **	A/W	Issue No.	1116 (cont)	
LM End	9.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.074201 °	38.074201 °	
				-121.211920 °	-121.211920 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37807 DS_ID:23584 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 10.11)]. FS Date: 5/14/2014						

Photo 3 of 3 : UCIP_FA_2017_37807_68730.jpg



Pipe and headwall on LS toe.

LM Start	9.73	Rating **	N	Issue No.	45
LM End	9.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.074509 °	38.074509 °
				-121.210489 °	-121.210489 °
DWR ID	DWR_NA0017_07_s_2012_45				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	9.76	Rating **	N	Issue No.	46
LM End	9.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.074613 °	38.074613 °
				-121.209882 °	-121.209882 °
DWR ID	DWR_NA0017_07_s_2012_46				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_151_46_20170921_00015.jpg



View of tree stumps found on the landside of the levee looking upstream.

LM Start	9.98	Rating **	M	Issue No.	1117
LM End	9.98	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.077230 °	38.077230 °
				-121.208208 °	-121.208208 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41804 DS_ID:23585 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some silt buildup in pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 10.45) and 612 (addendum), February 1999, (HLM 10.46) (Station 552+25)]. FS Date: 5/14/2014					

Photo 1 of 3 : UCIP_FA_2017_41804_68727.jpg



Headwall, pipe, flapgate, and grouted spillway on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	9.98	Rating **	M	Issue No.	1117 (cont)
LM End	9.98	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.077230 °	38.077230 °
				-121.208208 °	-121.208208 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:41804
DS_ID:23585
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Some silt buildup in pipe.
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 10.45) and 612 (addendum), February 1999, (HLM 10.46) (Station 552+25)].
FS Date: 5/14/2014

LM Start	9.98	Rating **	M	Issue No.	1117 (cont)
LM End	9.98	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_41804_68726.jpg



Pipe and headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2017_41804_68725.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	10.15	Rating **	A/W	Issue No.	1118	
LM End	10.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.078814 °	38.078814 °	
				-121.205762 °	-121.205762 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37803 DS_ID:23586 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): USACE San Joaquin O&M Manual 612.2, 1967, (HLM 10.62)]. FS Date: 5/14/2014						

LM Start	10.15	Rating **	A/W	Issue No.	1118 (cont)
LM End	10.15	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_37803_68722.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2017_37803_68721.jpg



Headwall, pipe, flapgate, and grouted spillway on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	10.15	Rating **	A/W	Issue No.	1118 (cont)	
LM End	10.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.078814 °	38.078814 °	
				-121.205762 °	-121.205762 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37803 DS_ID:23586 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): USACE San Joaquin O&M Manual 612.2, 1967, (HLM 10.62)]. FS Date: 5/14/2014						

Photo 3 of 3 : UCIP_FA_2017_37803_68720.jpg



Pipe and headwall on LS toe.

LM Start	10.43	Rating **	A/W	Issue No.	1119
LM End	10.43	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.080050 °	38.080050 °
				-121.201087 °	-121.201087 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37786 DS_ID:23646 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS). Concrete U-shaped headwall on both ends. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 10.91) and 612 (addendum), February 1999, (HLM 10.80) (Station 570+48)]. FS Date: 5/14/2014					

Photo 1 of 3 : UCIP_FA_2017_37786_68701.jpg



Pipe, headwall, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	10.43	Rating **	A/W	Issue No.	1119 (cont)
LM End	10.43	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.080050 °	38.080050 °
				-121.201087 °	-121.201087 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:37786
DS_ID:23646
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS). Concrete U-shaped headwall on both ends. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 10.91) and 612 (addendum), February 1999, (HLM 10.80) (Station 570+48)].
FS Date: 5/14/2014

LM Start	10.43	Rating **	A/W	Issue No.	1119 (cont)
LM End	10.43	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37786_68700.jpg



Pipe and headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2017_37786_68703.jpg



Inside pipe from LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	10.65	Rating **	M	Issue No.	1120
LM End	10.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.082589 °	38.082589 °
				-121.198521 °	-121.198521 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41805					
DS_ID:23587					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Silt buildup in pipe at LS toe.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe					
through the levee, 6.5 feet below the crown. Flap gate on the waterside					
(WS) end. Concrete U-shaped headwall on both ends. Cobble grouted					
spillway across the berm. Cobble grouted apron on the WS end.					
[Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin					
O&M Manual 612.2, 1967, (HLM 11.13)].					
FS Date: 5/14/2014					

Photo 1 of 3 : UCIP_FA_2017_41805_68682.jpg



Pipe and headwall on LS toe.

LM Start	10.65	Rating **	M	Issue No.	1120 (cont)
LM End	10.65	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_41805_68681.jpg



Pipe, flapgate, headwall, and grouted spillway on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	10.81	Rating **	A/W	Issue No.	1121 (cont)	
LM End	10.81	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.084165 °	38.084165 °	
				-121.196427 °	-121.196427 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37779 DS_ID:23588 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 6.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 11.30) and 612 (addendum), February 1999, (HLM 11.26) (Station 594+46)]. FS Date: 5/14/2014						

Photo 2 of 3 : UCIP_FA_2017_37779_68665.jpg



Pipe and headwall on LS toe.

LM Start	10.81	Rating **	A/W	Issue No.	1121 (cont)
LM End	10.81	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_37779_68659.jpg



Inside pipe at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	11.27	Rating **	A/W	Issue No.	1122
LM End	11.27	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.087249 °	38.087249 °
				-121.189337 °	-121.189337 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37773 DS_ID:23590 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 11.78)]. FS Date: 5/14/2014					

LM Start	11.27	Rating **	A/W	Issue No.	1122 (cont)
LM End	11.27	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_37773_68635.jpg



Headwall, pipe, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP_FA_2017_37773_68634.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	11.27	Rating **	A/W	Issue No.	1122 (cont)	
LM End	11.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.087249 °	38.087249 °	
				-121.189337 °	-121.189337 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37773						
DS_ID:23590						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 11.78)].						
FS Date: 5/14/2014						

Photo 3 of 3 : UCIP_FA_2017_37773_68633.jpg



Pipe and headwall on LS toe.

LM Start	11.79	Rating **	M	Issue No.	1124
LM End	11.79	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.092076 °	38.092076 °
				-121.183118 °	-121.183118 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37753 DS_ID:23593 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some rocky debris buildup inside pipe on LS toe. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.30)]. FS Date: 5/14/2014					

Photo 1 of 3 : UCIP_FA_2017_37753_68594.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	11.79	Rating **	M	Issue No.	1124 (cont)
LM End	11.79	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.092076°	38.092076°	
			-121.183118°	-121.183118°	
DWR ID					

Comment Code

Inspector Comment

FS_ID:37753
DS_ID:23593
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Some rocky debris buildup inside pipe on LS toe.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.30)].
FS Date: 5/14/2014

LM Start	11.79	Rating **	M	Issue No.	1124 (cont)
LM End	11.79	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37753_68593.jpg



Pipe, flapgate, headwall, and grouted spillway on WS toe.

Photo 3 of 3 : UCIP_FA_2017_37753_68592.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	11.88	Rating **	A/W	Issue No.	1125	
LM End	11.88	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.092270 °		38.092270 °
				-121.181332 °		-121.181332 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37752						
DS_ID:23594						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.40)].						
FS Date: 5/14/2014						

Photo 1 of 3 : UCIP_FA_2017_37752_68589.jpg



Pipe and headwall on LS toe.

LM Start	11.88	Rating **	A/W	Issue No.	1125 (cont)
LM End	11.88	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37752_68588.jpg



Pipe, flapgate, and headwall on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	11.88	Rating **	A/W	Issue No.	1125 (cont)	
LM End	11.88	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.092270 °	38.092270 °	
				-121.181332 °	-121.181332 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37752						
DS_ID:23594						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.40)].						
FS Date: 5/14/2014						

Photo 3 of 3 : UCIP_FA_2017_37752_68591.jpg



Inside pipe on LS toe.

LM Start	11.90	Rating **	A/W	Issue No.	1126
LM End	11.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.092293 °	38.092293 °
				-121.181078 °	-121.181078 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37751 DS_ID:23505 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.42)]. FS Date: 5/14/2014					

Photo 1 of 3 : UCIP_FA_2017_37751_68585.jpg



Headwall and pipe on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	11.90	Rating **	A/W	Issue No.	1126 (cont)	
LM End	11.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.092293 °		38.092293 °
				-121.181078 °		-121.181078 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37751 DS_ID:23505 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.42)]. FS Date: 5/14/2014						

Photo 2 of 3 : UCIP_FA_2017_37751_68584.jpg



Headwall, pipe, and flapgate on WS toe.

LM Start	11.90	Rating **	A/W	Issue No.	1126 (cont)
LM End	11.90	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_37751_68583.jpg



Headwall and pipe on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	12.12	Rating **	A/W	Issue No.	1127
LM End	12.12	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.093170 °	38.093170 °
				-121.177313 °	-121.177313 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37745 DS_ID:23507 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.64) and 612 (addendum), February 1999, (HLM 12.61) (Station 666+02)]. FS Date: 5/14/2014					

Photo 1 of 3 : UCIP_FA_2017_37745_68567.jpg



Pipe, flapgate, headwall, and grouted spillway on WS toe.

LM Start	12.12	Rating **	A/W	Issue No.	1127 (cont)
LM End	12.12	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37745_68566.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	12.12	Rating **	A/W	Issue No.	1127 (cont)	
LM End	12.12	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.093170 °	38.093170 °	
				-121.177313 °	-121.177313 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37745 DS_ID:23507 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.64) and 612 (addendum), February 1999, (HLM 12.61) (Station 666+02)]. FS Date: 5/14/2014						

Photo 3 of 3 : UCIP_FA_2017_37745_68565.jpg



Inside of pipe on LS toe. Silt buildup.

LM Start	12.19	Rating **	A/W	Issue No.	1128
LM End	12.19	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094163 °	38.094163 °
				-121.176824 °	-121.176824 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37732 DS_ID:23508 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.72) and 612 (addendum), February 1999, (HLM 12.71) (Station 671+24)]. FS Date: 5/14/2014					

Photo 1 of 3 : UCIP_FA_2017_37732_68555.jpg



Pipe and headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	12.19	Rating **	A/W	Issue No.	1128 (cont)
LM End	12.19	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094163 °	38.094163 °
				-121.176824 °	-121.176824 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:37732
DS_ID:23508
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.72) and 612 (addendum), February 1999, (HLM 12.71) (Station 671+24)].
FS Date: 5/14/2014

LM Start	12.19	Rating **	A/W	Issue No.	1128 (cont)
LM End	12.19	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37732_68554.jpg



Pipe, flapgate, headwall, and grouted spillway on WS toe.

Photo 3 of 3 : UCIP_FA_2017_37732_68553.jpg



Inside pipe at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	12.21	Rating **	A/W	Issue No.	1129
LM End	12.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094456 °	38.094456 °
				-121.176806 °	-121.176806 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37731 DS_ID:23509 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.74) and 612 (addendum), February 1999, (HLM 12.73) (Station 672+05)]. FS Date: 5/14/2014					

LM Start	12.21	Rating **	A/W	Issue No.	1129 (cont)
LM End	12.21	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_37731_68550.jpg



Pipe, flapgate, and headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2017_37731_68549.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	12.21	Rating **	A/W	Issue No.	1129 (cont)
LM End	12.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094456 °	38.094456 °
				-121.176806 °	-121.176806 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37731 DS_ID:23509 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.74) and 612 (addendum), February 1999, (HLM 12.73) (Station 672+05)]. FS Date: 5/14/2014					

Photo 3 of 3 : UCIP_FA_2017_37731_68548.jpg



Pipe and headwall on LS toe.

LM Start	12.74	Rating **	A/W	Issue No.	1131
LM End	12.74	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.101797 °	38.101797 °
				-121.177750 °	-121.177750 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37719					
DS_ID:23512					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 13.29)].					
FS Date: 5/14/2014					

Photo 1 of 3 : UCIP_FA_2017_37719_68528.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	12.74	Rating **	A/W	Issue No.	1131 (cont)
LM End	12.74	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.101797°	38.101797°	
			-121.177750°	-121.177750°	
DWR ID					

Comment Code

Inspector Comment

FS_ID:37719
DS_ID:23512
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 13.29)].
FS Date: 5/14/2014

LM Start	12.74	Rating **	A/W	Issue No.	1131 (cont)
LM End	12.74	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37719_68527.jpg



Pipe, flapgate, and headwall on WS toe.

Photo 3 of 3 : UCIP_FA_2017_37719_68526.jpg



Pipe, flapgate, and headwall on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	13.09	Rating **	A/W	Issue No.	1137	
LM End	13.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.106393 °		38.106393 °
				-121.175587 °		-121.175587 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37690						
DS_ID:23597						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) slope. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 13.64)].						
FS Date: 5/14/2014						

Photo 1 of 3 : UCIP_FA_2017_37690_68450.jpg



Pipe and headwall on LS toe.

LM Start	13.09	Rating **	A/W	Issue No.	1137 (cont)
LM End	13.09	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37690_68449.jpg



Pipe, flapgate, headwall, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	13.09	Rating **	A/W	Issue No.	1137 (cont)	
LM End	13.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.106393 °	38.106393 °	
				-121.175587 °	-121.175587 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37690						
DS_ID:23597						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) slope. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 13.64)].						
FS Date: 5/14/2014						

Photo 3 of 3 : UCIP_FA_2017_37690_68448.jpg



Pipe, flapgate, headwall, and grouted spillway on WS slope.

LM Start	13.48	Rating **	A/W	Issue No.	1138
LM End	13.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111310 °	38.111310 °
				-121.172760 °	-121.172760 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37689 DS_ID:23598 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 14.04)]. FS Date: 5/14/2014					

Photo 1 of 3 : UCIP_FA_2017_37689_68446.jpg



Pipe and concrete headwall on LS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	13.48	Rating **	A/W	Issue No.	1138 (cont)	
LM End	13.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.111310 °	38.111310 °	
				-121.172760 °	-121.172760 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37689						
DS_ID:23598						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 14.04)].						
FS Date: 5/14/2014						

Photo 2 of 3 : UCIP_FA_2017_37689_68445.jpg



Pipe, flapgate, headwall, and grouted spillway on WS slope.

LM Start	13.48	Rating **	A/W	Issue No.	1138 (cont)
LM End	13.48	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_37689_68444.jpg



Pipe, flapgate, headwall, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	13.82	Rating **	A/W	Issue No.	1140
LM End	13.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.116150 °	38.116150 °
				-121.172220 °	-121.172220 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37675					
DS_ID:23600					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe					
through the levee, 6 feet below the crown. Concrete U-shaped headwall					
on both ends. Flap gate on the waterside (WS) end. Cobble grouted					
spillway. [Additional Reference(s): DWR Levee Log, 1987. USACE San					
Joaquin O&M Manual 612.2, 1967, (HLM 14.37)].					
FS Date: 5/14/2014					

Photo 1 of 3 : UCIP_FA_2017_37675_68408.jpg



Pipe and concrete headwall on LS toe.

LM Start	13.82	Rating **	A/W	Issue No.	1140 (cont)
LM End	13.82	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37675_68405.jpg



Pipe, flapgate, grouted spillway, and concrete headwall on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	13.82	Rating **	A/W	Issue No.	1140 (cont)	
LM End	13.82	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.116150 °	38.116150 °	
				-121.172220 °	-121.172220 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37675						
DS_ID:23600						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe						
through the levee, 6 feet below the crown. Concrete U-shaped headwall						
on both ends. Flap gate on the waterside (WS) end. Cobble grouted						
spillway. [Additional Reference(s): DWR Levee Log, 1987. USACE San						
Joaquin O&M Manual 612.2, 1967, (HLM 14.37)].						
FS Date: 5/14/2014						

Photo 3 of 3 : UCIP_FA_2017_37675_68402.jpg



Pipe and concrete headwall on LS toe.

LM Start	13.84	Rating **	A/W	Issue No.	1142
LM End	13.84	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.116423 °	38.116423 °
				-121.172178 °	-121.172178 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37666 DS_ID:23601 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwall on the waterside (WS) end. Flap gate on the WS end. Cobble grouted spillway. 24-inch corrugated metal drop inlet and cobble grouted intake on the landside (LS), no headwall. (Drainage ditch and 12-inch culverts adjacent to levee installed under Permit No. 12659, 1979 - Richard Stasand). [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 14.39)]. FS Date: 5/12/2014					

Photo 1 of 3 : UCIP_FA_2017_37666_68385.jpg



Pipe, flapgate, and headwall on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	13.84	Rating **	A/W	Issue No.	1142 (cont)	
LM End	13.84	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.116423	°	38.116423
				-121.172178	°	-121.172178
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37666						
DS_ID:23601						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwall on the waterside (WS) end. Flap gate on the WS end. Cobble grouted spillway. 24-inch corrugated metal drop inlet and cobble grouted intake on the landside (LS), no headwall. (Drainage ditch and 12-inch culverts adjacent to levee installed under Permit No. 12659, 1979 - Richard Stasand). [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 14.39)].						
FS Date: 5/12/2014						

Photo 2 of 3 : UCIP_FA_2017_37666_68384.jpg



Pipe, flapgate, and headwall on WS slope.

LM Start	13.84	Rating **	A/W	Issue No.	1142 (cont)
LM End	13.84	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_37666_68383.jpg



Drop-inlet on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	13.87	Rating **	A/W	Issue No.	1143
LM End	13.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.116869 °	38.116869 °
				-121.172078 °	-121.172078 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37663					
DS_ID:23602					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 1 foot below the crown. Cobble grouted inlet at fish pond on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 14.42) 7-inch pipe listed].					
FS Date: 5/12/2014					

Photo 1 of 3 : UCIP_FA_2017_37663_68359.jpg



Cobble grouted inlet from fish pond on LS toe.

LM Start	13.87	Rating **	A/W	Issue No.	1143 (cont)
LM End	13.87	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37663_68358.jpg



Pipe, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	13.87	Rating **	A/W	Issue No.	1143 (cont)	
LM End	13.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.116869 °		38.116869 °
				-121.172078 °		-121.172078 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37663						
DS_ID:23602						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 1 foot below the crown. Cobble grouted inlet at fish pond on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 14.42) 7-inch pipe listed].						
FS Date: 5/12/2014						

Photo 3 of 3 : UCIP_FA_2017_37663_68357.jpg



Pipe, flapgate, and grouted spillway on WS slope.

LM Start	13.93	Rating **	C	Issue No.	161
LM End	13.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.117714 °	38.117714 °
				-121.171764 °	-121.171764 °
DWR ID	DWR_NA0017_07_s_2017_161				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	14.23	Rating **	M	Issue No.	61
LM End	14.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.121625 °	38.121625 °
				-121.169563 °	-121.169563 °
DWR ID	DWR_NA0017_07_f_2013_61				
Comment Code					
ST : Stairway					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_151_61_20170921_00022.jpg



Steps were found on the waterside slope of the levee looking downstream.

LM Start	14.27	Rating **	A/W	Issue No.	139
LM End	14.27	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.122152 °	38.122152 °
				-121.169461 °	-121.169461 °
DWR ID	DWR_NA0017_07_f_2017_139				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion on the waterside toe of the levee. The Lat, Long above is from the Spring DWR inspection report, which took the photo and GPS from the right bank. The erosion is on the left bank.					
Site ID No:478					
Site Designation:LMA-305					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/27/2017					
Notes: Levee is small, but there is a fairly large berm. Erosion is present on both banks with 8 ft scarp. There is a big drop in the channel bottom here that could cause eddies and faster erosion.					
Riprap is just cobble, not clean rock.					

Photo 1 of 3 : LEVAL_FA_2017_478_2262.jpg



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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	14.45	Rating **	A/W	Issue No.	1147
LM End	14.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.124667 °	38.124667 °
				-121.169038 °	-121.169038 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37660					
DS_ID:23604					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: No flapgate.					
FIELD_STRUCT_DESC: 48-inch reinforced concrete drainage pipe, 9 feet below the crown. Concrete headwall with trash rack on the landside (LS). Cobble grouted intake on the LS. Cobble grouted spillway. Open on both ends. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 15.00)].					
FS Date: 5/12/2014					

Photo 1 of 3 : UCIP_FA_2017_37660_68354.jpg



Pipe and headwall on LS toe.

LM Start	14.45	Rating **	A/W	Issue No.	1147 (cont)
LM End	14.45	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37660_68353.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	14.54	Rating **	A/W	Issue No.	1149 (cont)	
LM End	14.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.125671 °		38.125671 °
				-121.167975 °		-121.167975 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37658						
DS_ID:23605						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: No flapgate. Pipe not visible on LS.						
FIELD_STRUCT_DESC: 14-inch reinforced concrete drainage pipe through the levee, 4.7 feet below the crown. Cobble grouted spillway. Open on both ends. [Additional Reference(s): DWR Levee Log, 1987, 12-inch pipe listed. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 15.10) 12-inch pipe listed].						
FS Date: 5/12/2014						

Photo 2 of 3 : UCIP_FA_2017_37658_68342.jpg



Grouted spillway and pipe visible on WS slope.

LM Start	14.54	Rating **	A/W	Issue No.	1149 (cont)
LM End	14.54	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_37658_68341.jpg



Inside pipe at WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	14.93	Rating **	A/W	Issue No.	1150	
LM End	14.93	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.127941 °	38.127941 °	
				-121.161531 °	-121.161531 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37655						
DS_ID:23607						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS).						
[Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 15.50)].						
FS Date: 5/12/2014						

Photo 1 of 3 : UCIP_FA_2017_37655_68336.jpg



Pipe, flapgate, concrete headwall, and grouted spillway on WS slope.

LM Start	14.93	Rating **	A/W	Issue No.	1150 (cont)
LM End	14.93	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_37655_68335.jpg



Concrete headwall and pipe at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	14.93	Rating **	A/W	Issue No.	1150 (cont)	
LM End	14.93	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.127941 °	38.127941 °	
				-121.161531 °	-121.161531 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37655						
DS_ID:23607						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 15.50)].						
FS Date: 5/12/2014						

Photo 3 of 3 : UCIP_FA_2017_37655_68334.jpg



Concrete headwall and pipe at LS toe.

LM Start	15.10	Rating **	A/W	Issue No.	1153
LM End	15.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.129803 °	38.129803 °
				-121.159474 °	-121.159474 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37653					
DS_ID:23609					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: Rodent hole on crown side of headwall on WS slope.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe					
through the levee, 7.5 feet below the crown. Concrete U-shaped					
headwall on both ends. Flap gate on the waterside (WS) end. Cobble					
grouted spillway. Cobble grouted intake on the landside (LS).					
[Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin					
O&M Manual 612.2, 1967, (HLM 15.68)].					
FS Date: 5/12/2014					

Photo 1 of 3 : UCIP_FA_2017_37653_68329.jpg



Concrete headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	15.10	Rating **	A/W	Issue No.	1153 (cont)	
LM End	15.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.129803 °		38.129803 °
				-121.159474 °		-121.159474 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37653 DS_ID:23609 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Rodent hole on crown side of headwall on WS slope. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 15.68)]. FS Date: 5/12/2014						

Photo 2 of 3 : UCIP_FA_2017_37653_68328.jpg



Grouted spillway on WS slope.

LM Start	15.10	Rating **	A/W	Issue No.	1153 (cont)
LM End	15.10	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_37653_68327.jpg



Pipe, flapgate, headwall, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	15.16	Rating **	N	Issue No.	53
LM End	15.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.130231 °	38.130231 °
				-121.158447 °	-121.158447 °
DWR ID	DWR_NA0017_07_s_2012_53				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_151_53_20170921_00020.jpg



View of a stump in the landward slope.

LM Start	15.22	Rating **	M	Issue No.	1154	
LM End	15.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.130318 °	38.130318 °	
				-121.157417 °	-121.157417 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37652 DS_ID:23610 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No inlet cover or grate at LS toe FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Concrete U-shaped headwall on the waterside (WS) end. Flap gate on the WS end. 24-inch corrugated metal riser unit/drop inlet on the landside (LS). [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 15.80)]. FS Date: 5/12/2014						

Photo 1 of 3 : UCIP_FA_2017_37652_68326.jpg



24-inch riser/dropinlet on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	15.22	Rating **	M	Issue No.	1154 (cont)	
LM End	15.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.130318 °	38.130318 °	
				-121.157417 °	-121.157417 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37652 DS_ID:23610 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No inlet cover or grate at LS toe FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Concrete U-shaped headwall on the waterside (WS) end. Flap gate on the WS end. 24-inch corrugated metal riser unit/drop inlet on the landside (LS). [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 15.80)]. FS Date: 5/12/2014						

Photo 2 of 3 : UCIP_FA_2017_37652_68325.jpg



Concrete headwall on WS toe.

LM Start	15.22	Rating **	M	Issue No.	1154 (cont)
LM End	15.22	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_37652_68324.jpg



Pipe, flapgate, and Concrete headwall on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	15.31	Rating **	A/W	Issue No.	1155	
LM End	15.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.130361 °		38.130361 °
				-121.155686 °		-121.155686 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37651 DS_ID:23611 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 15.90)]. FS Date: 5/12/2014						

LM Start	15.31	Rating **	A/W	Issue No.	1155 (cont)
LM End	15.31	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_37651_68322.jpg



Concrete headwall and grouted spillway on WS slope.

Photo 2 of 3 : UCIP_FA_2017_37651_68321.jpg



concrete headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	15.31	Rating **	A/W	Issue No.	1155 (cont)	
LM End	15.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.130361 °	38.130361 °	
				-121.155686 °	-121.155686 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:37651 DS_ID:23611 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 15.90)]. FS Date: 5/12/2014						

Photo 3 of 3 : UCIP_FA_2017_37651_68320.jpg



concrete headwall on LS toe.

LM Start	15.51	Rating **	U	Issue No.	1156
LM End	15.51	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.132632 °	38.132632 °
				-121.153838 °	-121.153838 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51623 DS_ID:23612 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 04/20/2017 Pipe is open on both ends. Requires a positive closure device. Crossing has been upgraded from No Action Needed to Urgent. (K. Fazel - UCIP) FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 1.5 feet below the crown. Cobble grouted spillway. Open on both ends. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 16.10)]. FS Date: 5/12/2014					

Photo 1 of 3 : UCIP_FA_2017_51623_68319.jpg



Pipe visible on WS slope with grouted spillway.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	15.51	Rating **	U	Issue No.	1156 (cont)
LM End	15.51	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.132632 °	38.132632 °
				-121.153838 °	-121.153838 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:51623
DS_ID:23612
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 04/20/2017 Pipe is open on both ends. Requires a positive closure device. Crossing has been upgraded from No Action Needed to Urgent. (K. Fazel - UCIP)
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 1.5 feet below the crown. Cobble grouted spillway. Open on both ends. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 16.10)].
FS Date: 5/12/2014

LM Start	15.51	Rating **	U	Issue No.	1156 (cont)
LM End	15.51	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_51623_68318.jpg



Pipe at inlet on LS toe.

Photo 3 of 3 : UCIP_FA_2017_51623_68317.jpg



Inside pipe at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	15.73	Rating **	U	Issue No.	1157
LM End	15.73	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.135676 °	38.135676 °
				-121.152769 °	-121.152769 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:51624
DS_ID:23614
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 04/20/2017 Pipe is open on both ends. Requires a positive closure device. Crossing has been upgraded from No Action Needed to Urgent. (K. Fazel - UCIP)
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 2 feet below the crown. Cobble grouted spillway. Open on both ends. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 16.32)].
FS Date: 5/12/2014

LM Start	15.73	Rating **	U	Issue No.	1157 (cont)
LM End	15.73	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_51624_68316.jpg



Pipe on WS slope.

Photo 2 of 3 : UCIP_FA_2017_51624_68315.jpg



Pipe at inlet on LS shoulder.

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

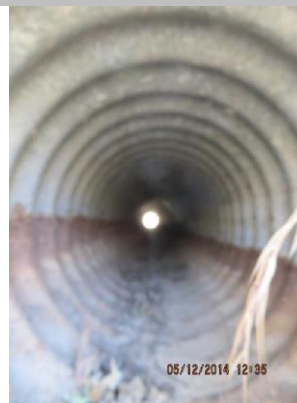
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/03/2017 10/10/2017	Pavel Kazi

LM Start	15.73	Rating **	U	Issue No.	1157 (cont)	
LM End	15.73	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.135676 °	38.135676 °	
				-121.152769 °	-121.152769 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51624 DS_ID:23614 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 04/20/2017 Pipe is open on both ends. Requires a positive closure device. Crossing has been upgraded from No Action Needed to Urgent. (K. Fazel - UCIP) FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 2 feet below the crown. Cobble grouted spillway. Open on both ends. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 16.32)]. FS Date: 5/12/2014						

Photo 3 of 3 : UCIP_FA_2017_51624_68314.jpg



Inside pipe at LS inlet.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	1.18	Rating **	M	Issue No.	158
LM End	1.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.042977 °	38.042815 °	
			-121.362556 °	-121.348342 °	
DWR ID	DWR_NA0017_08_f_2017_158				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.30	Rating **	C	Issue No.	130
LM End	1.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.042905 °	38.042905 °	
			-121.360449 °	-121.360449 °	
DWR ID	DWR_NA0017_08_s_2016_130				
Comment Code					
ST : Stairway					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	1.43	Rating **	M	Issue No.	162
LM End	1.43	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042861 °	38.042861 °
				-121.357973 °	-121.357973 °
DWR ID	DWR_NA0017_08_f_2017_162				
Comment Code					
Inspector Comment					
This portion of the floodwall has deteriorated monolith joints.					

Photo 1 of 1 : FA_2017_NA0017_152_162_20171016_00507.jpg



View of damaged monolith joint on the waterside shoulder of the levee.
Fall 2017

LM Start	1.82	Rating **	N	Issue No.	18	
LM End	1.82	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.042751 °		38.042751 °
				-121.353062 °		-121.353062 °
DWR ID	DWR_NA0017_08_f_2012_18					
Comment Code						
T5 : Tree stumps.						
Inspector Comment						

Photo 1 of 1 : FA_2017_NA0017_152_18_20170921_00005.jpg



View of a tree stump that was found on the landside toe of the levee.
The picture was taken from the crown looking towards the toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	1.93	Rating **	M	Issue No.	159
LM End	1.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.042810 °	38.042815 °
				-121.348813 °	-121.348342 °
DWR ID	DWR_NA0017_08_f_2017_159				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_152_159_20171016_00504.jpg



View of the vegetation on the waterside shoulder of the levee looking downstream. Fall 2017

LM Start	2.01	Rating **	M	Issue No.	115
LM End	2.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042801 °	38.042778 °
				-121.347390 °	-121.345589 °
DWR ID	DWR_NA0017_08_f_2016_115				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_152_115_20170921_00029.jpg



View of the tree limbs on the landside of the levee. Fall 2016.

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

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	2.15	Rating **	A/W	Issue No.	1117
LM End	2.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.042769 °	38.042769 °
				-121.344760 °	-121.344760 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38523 DS_ID:23731 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2: 10-inch soil proofed steel drainage pipe through the levee, 3 feet below the crown. Flap gates on the waterside (WS) end. Siphon breaker in 24-inch corrugated metal riser unit on the WS slope. Pumps mounted over 6-foot by 7-foot concrete sump at the landside (LS) toe. Pole and electrical panel at same location. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 2.18)]. FS Date: 6/11/2014					

LM Start	2.15	Rating **	A/W	Issue No.	1117 (cont)
LM End	2.15	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_38523_70515.jpg



Pipe at pump and sump on LS toe next to Pole and electrical panel.

Photo 2 of 3 : UCIP_FA_2017_38523_70514.jpg



Siphon Breaker in CMP riser on WS shoulder.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	2.15	Rating **	A/W	Issue No.	1117 (cont)
LM End	2.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.042769 °	38.042769 °
				-121.344760 °	-121.344760 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38523 DS_ID:23731 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2: 10-inch soil proofed steel drainage pipe through the levee, 3 feet below the crown. Flap gates on the waterside (WS) end. Siphon breaker in 24-inch corrugated metal riser unit on the WS slope. Pumps mounted over 6-foot by 7-foot concrete sump at the landside (LS) toe. Pole and electrical panel at same location. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 2.18)]. FS Date: 6/11/2014					

Photo 3 of 3 : UCIP_FA_2017_38523_70513.jpg



flapgate on WS slope.

LM Start	2.15	Rating **	A/W	Issue No.	1118
LM End	2.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.042760 °	38.042760 °
				-121.344750 °	-121.344750 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38524 DS_ID:23821 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 2: 10-inch soil proofed steel drainage pipe through the levee, 3 feet below the crown. Flap gate on the waterside (WS) end. Siphon breakers in a 24-inch corrugated metal riser unit on the WS shoulder. Pumps mounted over 6-foot by 7-foot concrete sump at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 2.18)]. FS Date: 6/11/2014					

Photo 1 of 3 : UCIP_FA_2017_38524_70518.jpg



Pipe, pump, electrical panel, and pole visible on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	2.17	Rating **	M	Issue No.	164
LM End	2.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.042766 °	38.042739 °
				-121.344432 °	-121.338540 °
DWR ID	DWR_NA0017_08_f_2017_164				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	2.17	Rating **	M	Issue No.	163
LM End	2.17	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042765 °	38.042765 °
				-121.344432 °	-121.344432 °
DWR ID	DWR_NA0017_08_f_2017_163				
Comment Code					
Inspector Comment					
This portion of the floodwall has deteriorated monolith joints.					

Photo 1 of 1 : FA_2017_NA0017_152_163_20171016_00508.jpg



View of a damaged monolith joint on the waterside shoulder of the levee.
Fall 2017

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	2.38	Rating **	N	Issue No.	168
LM End	2.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042764 °	38.042764 °
				-121.340611 °	-121.340611 °
DWR ID	DWR_NA0017_08_s_2017_168				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	2.40	Rating **	M	Issue No.	169
LM End	2.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042760 °	38.042760 °
				-121.340299 °	-121.340299 °
DWR ID	DWR_NA0017_08_s_2017_169				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_152_169_20170921_00043.jpg



View of prunings on the landside toe of the levee.

LM Start	2.41	Rating **	N	Issue No.	40
LM End	2.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042751 °	38.042751 °
				-121.342119 °	-121.342119 °
DWR ID	DWR_NA0017_08_s_2012_40				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	2.50	Rating **	M	Issue No.	59
LM End	2.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.042727 °	38.042736 °
				-121.338422 °	-121.337605 °
DWR ID	DWR_NA0017_08_f_2015_59				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_152_59_20171016_00510.jpg

View of vegetation on the landside slope of the levee looking upstream.
Fall 2017

LM Start	2.50	Rating **	N	Issue No.	12
LM End	2.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042749 °	38.042749 °
				-121.338402 °	-121.338402 °
DWR ID	DWR_NA0017_08_s_2012_12				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_152_12_20170921_00003.jpg



View of stumps along the landward toe looking upstream.

**Flood Control Project Maintenance
Levee Inspections**

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	2.52	Rating **	N	Issue No.	36
LM End	2.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.042739 °	38.042739 °	
			-121.340100 °	-121.340100 °	
DWR ID	DWR_NA0017_08_s _ 2012_36				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	2.61	Rating **	N	Issue No.	26
LM End	2.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.042737 °	38.042737 °	
			-121.338447 °	-121.338447 °	
DWR ID	DWR_NA0017_08_s _ 2014_26				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	2.68	Rating **	N	Issue No.	33
LM End	2.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.042715 °	38.042715 °	
			-121.335146 °	-121.335146 °	
DWR ID	DWR_NA0017_08_s _ 2012_33				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	2.76	Rating **	C	Issue No.	170
LM End	2.76	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042719 °	38.042719 °
				-121.333650 °	-121.333650 °
DWR ID	DWR_NA0017_08_s_2017_170				
Comment Code					
Inspector Comment					

No Photos

LM Start	2.79	Rating **	M	Issue No.	171
LM End	2.79	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042710 °	38.042710 °
				-121.333020 °	-121.333020 °
DWR ID	DWR_NA0017_08_s_2017_171				
Comment Code					
Inspector Comment					
This portion of the floodwall has deteriorated monolith joints.					

Photo 1 of 1 : FA_2017_NA0017_152_171_20170921_00045.jpg



View of a deteriorated monolith joint on the waterside shoulder of the levee. Spring 2017

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	2.82	Rating **	N	Issue No.	30
LM End	2.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042710 °	38.042710 °
				-121.334677 °	-121.334677 °
DWR ID	DWR_NA0017_08_s _ 2012_30				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	3.03	Rating **	N	Issue No.	137
LM End	3.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042683 °	38.042683 °
				-121.328674 °	-121.328674 °
DWR ID	DWR_NA0017_08_s _ 2016_137				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	3.07	Rating **	C	Issue No.	118
LM End	3.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042662 °	38.042662 °
				-121.327981 °	-121.327981 °
DWR ID	DWR_NA0017_08_f _ 2016_118				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	3.11	Rating **	M	Issue No.	138
LM End	3.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042654 °	38.042646 °
				-121.327229 °	-121.326561 °
DWR ID	DWR_NA0017_08_s_2016_138				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_152_138_20170921_00041.jpg



View of tree limbs that were blocking the visibility and accessibility of the landside slope of the levee.

LM Start	3.19	Rating **	N	Issue No.	13
LM End	3.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042676 °	38.042676 °
				-121.325694 °	-121.325694 °
DWR ID	DWR_NA0017_08_s_2012_13				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_152_13_20170921_00004.jpg



View of a stump on the landward slope looking upstream.

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

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	3.32	Rating **	C	Issue No.	119
LM End	3.32	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls		GPS Latitude/Longitude		
			Start	End	
Item	Monolith Joints		38.042651 °	38.042651 °	
			-121.323280 °	-121.323280 °	
DWR ID	DWR_NA0017_08_f_2016_119				
Comment Code					
Inspector Comment					

No Photos

LM Start	3.58	Rating **	M	Issue No.	65
LM End	3.58	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls		GPS Latitude/Longitude		
			Start	End	
Item	Monolith Joints		38.042655 °	38.042655 °	
			-121.318534 °	-121.318534 °	
DWR ID	DWR_NA0017_08_f_2015_65				
Comment Code					
Inspector Comment					
This portion of the floodwall has deteriorated monolith joints.					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	3.65	Rating **	A/W	Issue No.	1127	
LM End	3.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.042660 °		38.042660 °
				-121.317222 °		-121.317222 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38510 DS_ID:23734 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.4 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 3.73)]. FS Date: 5/22/2014						

Photo 1 of 3 : UCIP_FA_2017_38510_70478.jpg



Headwall at LS toe.

LM Start	3.65	Rating **	A/W	Issue No.	1127 (cont)
LM End	3.65	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38510_70477.jpg



Headwall and flapgate at WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	3.65	Rating **	A/W	Issue No.	1127 (cont)	
LM End	3.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.042660 °	38.042660 °	
				-121.317222 °	-121.317222 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38510 DS_ID:23734 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.4 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 3.73)]. FS Date: 5/22/2014						

Photo 3 of 3 : UCIP_FA_2017_38510_70476.jpg



Headwall at LS toe.

LM Start	4.55	Rating **	A/W	Issue No.	1131
LM End	4.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.042748 °	38.042748 °
				-121.300834 °	-121.300834 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38477					
DS_ID:23736					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 36-inch corrugated metal storm drainage pipe through the levee, 9 feet below the crown. Concrete U-shaped shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 4.65) and 612 (addendum), February 1999, (HLM 4.82) (Station 254+24)].					
FS Date: 5/22/2014					

Photo 1 of 3 : UCIP_FA_2017_38477_70362.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	4.55	Rating **	A/W	Issue No.	1131 (cont)	
LM End	4.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.042748 °		38.042748 °
				-121.300834 °		-121.300834 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38477						
DS_ID:23736						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 36-inch corrugated metal storm drainage pipe through the levee, 9 feet below the crown. Concrete U-shaped shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 4.65) and 612 (addendum), February 1999, (HLM 4.82) (Station 254+24)].						
FS Date: 5/22/2014						

Photo 2 of 3 : UCIP_FA_2017_38477_70361.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	4.55	Rating **	A/W	Issue No.	1131 (cont)
LM End	4.55	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38477_70360.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	4.82	Rating **	M	Issue No.	121
LM End	4.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.043928 °	38.043928 °
				-121.296386 °	-121.296386 °
DWR ID	DWR_NA0017_08_f_2016_121				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff					

Photo 1 of 1 : FA_2017_NA0017_152_121_20170921_00032.jpg



View of an erosion due to runoff on the land side slope of the levee.

LM Start	4.90	Rating **	A/W	Issue No.	1133
LM End	4.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.044188 °	38.044188 °
				-121.294979 °	-121.294979 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38447					
DS_ID:23739					
EP_NO: 16684D					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 9.3 feet below the crown. 30-inch concrete inlet on the landside (LS) toe. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the LS. Cobble grouted spillway across berm. (Permit No. 16684-D, 1997, and Permit No. 16566-A, 1996 - San Joaquin County Flood Control Agency). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 5.01) and 612 (addendum), February 1999, (HLM 5.16) (Station 272+55)].					
FS Date: 5/22/2014					

Photo 1 of 3 : UCIP_FA_2017_38447_70301.jpg



Headwall and flapgate at WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	4.90	Rating **	A/W	Issue No.	1133 (cont)
LM End	4.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.044188 °	38.044188 °
				-121.294979 °	-121.294979 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:38447
DS_ID:23739
EP_NO: 16684D
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 9.3 feet below the crown. 30-inch concrete inlet on the landside (LS) toe. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the LS. Cobble grouted spillway across berm. (Permit No. 16684-D, 1997, and Permit No. 16566-A, 1996 - San Joaquin County Flood Control Agency).
[Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 5.01) and 612 (addendum), February 1999, (HLM 5.16) (Station 272+55)].
FS Date: 5/22/2014

LM Start	4.90	Rating **	A/W	Issue No.	1133 (cont)
LM End	4.90	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38447_70300.jpg



30-inch concrete inlet pipe at LS toe.

Photo 3 of 3 : UCIP_FA_2017_38447_70299.jpg



Headwall and flapgate on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	5.01	Rating **	C	Issue No.	176
LM End	5.01	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.045440 °	38.045440 °
				-121.293879 °	-121.293879 °
DWR ID	DWR_NA0017_08_s_2017_176				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

LM Start	5.25	Rating **	C	Issue No.	68
LM End	5.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.048174 °	38.048174 °
				-121.291171 °	-121.291171 °
DWR ID	DWR_NA0017_08_f_2016_68				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	5.56	Rating **	A/W	Issue No.	1134 (cont)
LM End	5.56	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.050122 °	38.050122 °
				-121.286318 °	-121.286318 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38444 DS_ID:23709 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 6.9 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 5.69) and 612 (addendum), February 1999, (HLM 5.82) (Station 307+37)]. FS Date: 5/22/2014					

Photo 3 of 3 : UCIP_FA_2017_38444_70289.jpg



Headwall on LS toe.

LM Start	6.10	Rating **	A/W	Issue No.	1136
LM End	6.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.052226 °	38.052226 °
				-121.277229 °	-121.277229 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38427					
DS_ID:23711					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.3 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 6.25)].					
FS Date: 5/22/2014					

Photo 1 of 3 : UCIP_FA_2017_38427_70280.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	6.10	Rating **	A/W	Issue No.	1136 (cont)	
LM End	6.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.052226 °	38.052226 °	
				-121.277229 °	-121.277229 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38427						
DS_ID:23711						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.3 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across berm.						
[Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 6.25)].						
FS Date: 5/22/2014						

Photo 2 of 3 : UCIP_FA_2017_38427_70279.jpg



Headwall, flapgate, and grouted spillway on WS toe.

LM Start	6.10	Rating **	A/W	Issue No.	1136 (cont)
LM End	6.10	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38427_70278.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	6.13	Rating **	C	Issue No.	125
LM End	6.13	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.052180 °	38.052180 °
				-121.276697 °	-121.276697 °
DWR ID	DWR_NA0017_08_f_2016_125				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

LM Start	6.16	Rating **	C	Issue No.	6
LM End	6.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.052204 °	38.052204 °
				-121.276014 °	-121.276014 °
DWR ID	DWR_NA0017_08_s_2015_6				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Runoff					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	6.20	Rating **	M	Issue No.	1138 (cont)
LM End	6.20	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.052247 °	38.052247 °
				-121.275311 °	-121.275311 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38373 DS_ID:23713 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Gate rusted shut on LS toe. FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7.9 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Slide gate on the landside (LS) end. Cobble grouted spillway across berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 6.35) and 612 (addendum), February 1999, (HLM 6.36) (Station 335+70)]. FS Date: 5/22/2014					

Photo 3 of 3 : UCIP_FA_2017_38373_70036.jpg



Slide gate on headwall at LS toe.

LM Start	6.41	Rating **	A/W	Issue No.	1139	
LM End	6.41	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.053016 °	38.053016 °	
				-121.271705 °	-121.271705 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38368						
DS_ID:23714						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 6.56)].						
FS Date: 5/22/2014						

Photo 1 of 3 : UCIP_FA_2017_38368_70029.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	6.41	Rating **	A/W	Issue No.	1139 (cont)	
LM End	6.41	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.053016 °	38.053016 °	
				-121.271705 °	-121.271705 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38368 DS_ID:23714 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 6.56)]. FS Date: 5/22/2014						

Photo 2 of 3 : UCIP_FA_2017_38368_70028.jpg



Headwall, flapgate, and grouted spillway on WS toe.

LM Start	6.41	Rating **	A/W	Issue No.	1139 (cont)
LM End	6.41	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38368_70027.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	6.47	Rating **	C	Issue No.	145
LM End	6.47	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		38.053039 °	38.053039 °	
			-121.270543 °	-121.270543 °	
DWR ID	DWR_NA0017_08_s_2016_145				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

No Photos

LM Start	6.53	Rating **	C	Issue No.	124
LM End	6.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.053139 °	38.053139 °	
			-121.269405 °	-121.269405 °	
DWR ID	DWR_NA0017_08_f_2016_124				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	6.56	Rating **	A/W	Issue No.	1140
LM End	6.56	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.053277 °	38.053277 °
				-121.268962 °	-121.268962 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38367					
DS_ID:23715					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 6.72) and 612 (addendum), February 1999, (HLM 6.67) (Station 352+14)].					
FS Date: 5/22/2014					

Photo 1 of 3 : UCIP_FA_2017_38367_70024.jpg



Headwall on LS toe.

LM Start	6.56	Rating **	A/W	Issue No.	1140 (cont)
LM End	6.56	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38367_70023.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	6.56	Rating **	A/W	Issue No.	1140 (cont)
LM End	6.56	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.053277 °	38.053277 °
				-121.268962 °	-121.268962 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38367 DS_ID:23715 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 6.72) and 612 (addendum), February 1999, (HLM 6.67) (Station 352+14)]. FS Date: 5/22/2014					

Photo 3 of 3 : UCIP_FA_2017_38367_70022.jpg



Headwall on LS toe.

LM Start	6.63	Rating **	A/W	Issue No.	1141
LM End	6.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.053742 °	38.053742 °
				-121.267864 °	-121.267864 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38365 DS_ID:23716 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7.7 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 6.79) and 612 (addendum), February 1999, (HLM 6.82) (Station 360+08)]. FS Date: 5/22/2014					

Photo 1 of 3 : UCIP_FA_2017_38365_70019.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	6.63	Rating **	A/W	Issue No.	1141 (cont)	
LM End	6.63	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.053742	°	38.053742
				-121.267864	°	-121.267864
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38365 DS_ID:23716 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7.7 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 6.79) and 612 (addendum), February 1999, (HLM 6.82) (Station 360+08)]. FS Date: 5/22/2014						

Photo 2 of 3 : UCIP_FA_2017_38365_70018.jpg



Headwall, flapgate, and grouted spillway on WS toe.

LM Start	6.63	Rating **	A/W	Issue No.	1141 (cont)
LM End	6.63	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38365_70017.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	6.71	Rating **	A/W	Issue No.	1142
LM End	6.71	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.053941 °	38.053941 °
				-121.266415 °	-121.266415 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38363 DS_ID:23718 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 6.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 6.88) and 612 (addendum), February 1999, (HLM 6.89) (Station 363+76)]. FS Date: 5/22/2014					

Photo 1 of 3 : UCIP_FA_2017_38363_70010.jpg



Headwall on LS toe.

LM Start	6.71	Rating **	A/W	Issue No.	1142 (cont)
LM End	6.71	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38363_70009.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	6.71	Rating **	A/W	Issue No.	1142 (cont)	
LM End	6.71	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.053941 °	38.053941 °	
				-121.266415 °	-121.266415 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38363						
DS_ID:23718						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 6.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 6.88) and 612 (addendum), February 1999, (HLM 6.89) (Station 363+76)].						
FS Date: 5/22/2014						

Photo 3 of 3 : UCIP_FA_2017_38363_70008.jpg



Headwall on LS toe.

LM Start	6.72	Rating **	C	Issue No.	123
LM End	6.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.053921 °	38.053921 °
				-121.266144 °	-121.266144 °
DWR ID	DWR_NA0017_08_f_2016_123				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	6.83	Rating **	A/W	Issue No.	1143
LM End	6.83	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.054509 °	38.054509 °
				-121.264312 °	-121.264312 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38361 DS_ID:23719 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2: 30-inch corrugated metal storm drainage pipe through the levee, 8.3 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 7.00) and 612 (addendum), February 1999, (HLM 7.10) (Station 374+70)]. FS Date: 5/22/2014					

Photo 1 of 3 : UCIP_FA_2017_38361_70005.jpg



Headwall on LS toe.

LM Start	6.83	Rating **	A/W	Issue No.	1143 (cont)
LM End	6.83	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38361_70004.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	6.83	Rating **	A/W	Issue No.	1143 (cont)
LM End	6.83	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.054509 °	38.054509 °
				-121.264312 °	-121.264312 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38361 DS_ID:23719 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2: 30-inch corrugated metal storm drainage pipe through the levee, 8.3 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 7.00) and 612 (addendum), February 1999, (HLM 7.10) (Station 374+70)]. FS Date: 5/22/2014					

Photo 3 of 3 : UCIP_FA_2017_38361_70003.jpg



Headwall on LS toe.

LM Start	6.83	Rating **	A/W	Issue No.	1144	
LM End	6.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.054515 °	38.054515 °	
				-121.264301 °	-121.264301 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38360 DS_ID:23812 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 2: 30-inch corrugated metal storm drainage pipe through the levee, 8.3 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 7.00) and 612 (addendum), February 1999, (HLM 7.10) (Station 374+70)]. FS Date: 5/22/2014						

Photo 1 of 3 : UCIP_FA_2017_38360_70000.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	6.83	Rating **	A/W	Issue No.	1144 (cont)	
LM End	6.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.054515 °	38.054515 °	
				-121.264301 °	-121.264301 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38360 DS_ID:23812 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 2: 30-inch corrugated metal storm drainage pipe through the levee, 8.3 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 7.00) and 612 (addendum), February 1999, (HLM 7.10) (Station 374+70)]. FS Date: 5/22/2014						

Photo 2 of 3 : UCIP_FA_2017_38360_69999.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	6.83	Rating **	A/W	Issue No.	1144 (cont)
LM End	6.83	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38360_69998.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	6.90	Rating **	A/W	Issue No.	1145
LM End	6.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.055056 °	38.055056 °
				-121.263397 °	-121.263397 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38359 DS_ID:23720 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal storm drainage pipe through the levee, 6.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 7.07) and 612 (addendum), February 1999, (HLM 7.18) (Station 379+00)]. FS Date: 5/22/2014					

Photo 1 of 3 : UCIP_FA_2017_38359_69995.jpg



Headwall on LS toe.

LM Start	6.90	Rating **	A/W	Issue No.	1145 (cont)
LM End	6.90	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38359_69994.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	6.90	Rating **	A/W	Issue No.	1145 (cont)
LM End	6.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.055056 °	38.055056 °
				-121.263397 °	-121.263397 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38359 DS_ID:23720 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal storm drainage pipe through the levee, 6.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 7.07) and 612 (addendum), February 1999, (HLM 7.18) (Station 379+00)]. FS Date: 5/22/2014					

Photo 3 of 3 : UCIP_FA_2017_38359_69993.jpg



Headwall on LS toe.

LM Start	7.08	Rating **	A/W	Issue No.	1146
LM End	7.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.057276 °	38.057276 °
				-121.261565 °	-121.261565 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38358 DS_ID:23721 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal storm drainage pipe through the levee, 6.8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 7.26) and 612 (addendum), February 1999, (HLM 7.34) (Station 387+80)]. FS Date: 5/22/2014					

Photo 1 of 3 : UCIP_FA_2017_38358_69990.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	7.08	Rating **	A/W	Issue No.	1146 (cont)	
LM End	7.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.057276	°	38.057276
				-121.261565	°	-121.261565
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38358						
DS_ID:23721						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 36-inch corrugated metal storm drainage pipe through the levee, 6.8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 7.26) and 612 (addendum), February 1999, (HLM 7.34) (Station 387+80)].						
FS Date: 5/22/2014						

Photo 2 of 3 : UCIP_FA_2017_38358_69989.jpg



Headwall and flapgate on WS slope.

LM Start	7.08	Rating **	A/W	Issue No.	1146 (cont)
LM End	7.08	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38358_69988.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	7.38	Rating **	A/W	Issue No.	1149	
LM End	7.38	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.060824 °		38.060824 °
				-121.259089 °		-121.259089 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38354 DS_ID:23742 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on the WS end. Cobble grouted spillway across the berm. 18-inch corrugated metal pipe at the LS toe. 40-inch steel manhole on crown. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 7.55)]. FS Date: 5/22/2014						

Photo 1 of 3 : UCIP_FA_2017_38354_69985.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	7.38	Rating **	A/W	Issue No.	1149 (cont)
LM End	7.38	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38354_69984.jpg



40-inch manhole on WS of crown.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	7.38	Rating **	A/W	Issue No.	1149 (cont)
LM End	7.38	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.060824 °	38.060824 °
				-121.259089 °	-121.259089 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38354 DS_ID:23742 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on the WS end. Cobble grouted spillway across the berm. 18-inch corrugated metal pipe at the LS toe. 40-inch steel manhole on crown. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 7.55)]. FS Date: 5/22/2014					

Photo 3 of 3 : UCIP_FA_2017_38354_69983.jpg



18-inch CMP inlet on LS toe.

LM Start	7.47	Rating **	M	Issue No.	1150	
LM End	7.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.061845 °	38.061845 °	
				-121.257800 °	-121.257800 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41809 DS_ID:23743 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Cobbles building up at inlet and inside pipe along with sediment. FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 7.65) and 612 (addendum), February 1999, (HLM 7.70) (Station 406+58)]. FS Date: 5/21/2014						

Photo 1 of 3 : UCIP_FA_2017_41809_69980.jpg



Concrete headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	7.47	Rating **	M	Issue No.	1150 (cont)
LM End	7.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.061845 °	38.061845 °
				-121.257800 °	-121.257800 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:41809
DS_ID:23743
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Cobbles building up at inlet and inside pipe along with sediment.
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 7.65) and 612 (addendum), February 1999, (HLM 7.70) (Station 406+58)].
FS Date: 5/21/2014

LM Start	7.47	Rating **	M	Issue No.	1150 (cont)
LM End	7.47	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_41809_69979.jpg



Concrete headwall and flapgate at WS toe.

Photo 3 of 3 : UCIP_FA_2017_41809_69978.jpg



Concrete headwall on LS toe. Cobbles distributed at inlet.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

FS_ID:38352
DS_ID:23744
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Lid damaged/missing from CMP riser on WS slope.
FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal storm
drainage pipe through the levee, 9 feet below the crown. Flap gate on
the waterside (WS) end. Slide gate in 48-inch corrugated metal riser
unit on the WS slope. Concrete U-shaped headwalls on both ends.
Cobble grouted spillway on the channel bank. Cobble grouted apron in
ditch on the landside (LS). [Additional Reference(s): DWR Levee Log,
1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 8.18) and
612 (addendum), February 1999, (HLM 8.21) (Station 433+70)].
FS Date: 5/21/2014

* 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**

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	7.99	Rating **	M	Issue No.	1151 (cont)	
LM End		Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.064918 °	38.064918 °	
				-121.249540 °	-121.249540 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38352						
DS_ID:23744						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Lid damaged/missing from CMP riser on WS slope.						
FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal storm						
drainage pipe through the levee, 9 feet below the crown. Flap gate on						
the waterside (WS) end. Slide gate in 48-inch corrugated metal riser						
unit on the WS slope. Concrete U-shaped headwalls on both ends.						
Cobble grouted spillway on the channel bank. Cobble grouted apron in						
ditch on the landside (LS). [Additional Reference(s): DWR Levee Log,						
1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 8.18) and						
612 (addendum), February 1999, (HLM 8.21) (Station 433+70)].						
FS Date: 5/21/2014						

Photo 3 of 3 : UCIP_FA_2017_38352_69972.jpg



Headwall at drainage channel on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	7.99	Rating **	M	Issue No.	1152
LM End	7.99	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.064927 °	38.064927 °
				-121.249520 °	-121.249520 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:38351
DS_ID:23820
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Lid damaged/missing on 48-inch CMP riser on WS slope.
FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal storm drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in corrugated metal riser units on the WS slope. Concrete U-shaped headwalls on both ends. Cobble grouted spillway on the channel bank. Cobble grouted apron in ditch on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 8.18) and 612 (addendum), February 1999, (HLM 8.21) (Station 433+70)].
FS Date: 5/21/2014

LM Start	7.99	Rating **	M	Issue No.	1152 (cont)
LM End	7.99	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_38351_69968.jpg



Slide gate in 48-inch CMP riser on WS slope. Note the missing lid material.

Photo 2 of 3 : UCIP_FA_2017_38351_69967.jpg



Headwall on LS toe at drainage channel.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	7.99	Rating **	M	Issue No.	1152 (cont)	
LM End	7.99	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.064927 °	38.064927 °	
				-121.249520 °	-121.249520 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38351						
DS_ID:23820						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Lid damaged/missing on 48-inch CMP riser on WS slope.						
FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal storm drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in corrugated metal riser units on the WS slope. Concrete U-shaped headwalls on both ends. Cobble grouted spillway on the channel bank. Cobble grouted apron in ditch on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 8.18) and 612 (addendum), February 1999, (HLM 8.21) (Station 433+70)].						
FS Date: 5/21/2014						

Photo 3 of 3 : UCIP_FA_2017_38351_69966.jpg



Headwall on LS toe at drainage channel.

LM Start	8.15	Rating **	A/W	Issue No.	1153	
LM End	8.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.066308 °	38.066308 °	
				-121.247180 °	-121.247180 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38350 DS_ID:23745 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 8.34) and 612 (addendum), February 1999, (HLM 8.37) (Station 442+14)]. FS Date: 5/21/2014						

Photo 1 of 3 : UCIP_FA_2017_38350_69963.jpg



Headwall and grouted apron on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	8.43	Rating **	M	Issue No.	126
LM End	8.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.066939 °	38.066939 °
				-121.242196 °	-121.242196 °
DWR ID	DWR_NA0017_08_f_2016_126				
Comment Code					
DE : Debris					
Inspector Comment					
Concrete Debris					

Photo 1 of 1 : FA_2017_NA0017_152_126_20170921_00036.jpg



View of concrete debris on the waterside of the levee. Fall 2016.

LM Start	8.83	Rating **	C	Issue No.	73
LM End	8.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.067130 °	38.067130 °
				-121.234875 °	-121.234875 °
DWR ID	DWR_NA0017_08_f_2015_73				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Surface runoff.					

No Photos

LM Start	9.27	Rating **	C	Issue No.	53
LM End	9.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.069527 °	38.069527 °
				-121.227412 °	-121.227412 °
DWR ID	DWR_NA0017_08_s_2015_53				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Runoff					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	9.30	Rating **	A/W	Issue No.	1155	
LM End	9.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.069651 °	38.069651 °	
				-121.227000 °	-121.227000 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38346 DS_ID:23722 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 5.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 9.52) and 612 (addendum), February 1999, (HLM 9.52) (Station 502+83)]. FS Date: 5/21/2014						

Photo 1 of 3 : UCIP_FA_2017_38346_69954.jpg



Headwall at LS toe.

LM Start	9.30	Rating **	A/W	Issue No.	1155 (cont)
LM End	9.30	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38346_69953.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	9.53	Rating **	A/W	Issue No.	1158 (cont)	
LM End	9.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.069815 °	38.069815 °	
				-121.222720 °	-121.222720 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38241						
DS_ID:23726						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 9.85) and 612 (addendum), February 1999, (HLM 9.76) (Station 515+23)].						
FS Date: 5/21/2014						

Photo 2 of 3 : UCIP_FA_2017_38241_69738.jpg



Headwall at LS toe.

LM Start	9.53	Rating **	A/W	Issue No.	1158 (cont)
LM End	9.53	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38241_69737.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	9.63	Rating **	C	Issue No.	76
LM End	9.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.069807 °	38.069807 °
				-121.220890 °	-121.220890 °
DWR ID	DWR_NA0017_08_f_2015_76				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

No Photos

LM Start	9.78	Rating **	M	Issue No.	1159
LM End	9.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.070510 °	38.070510 °
				-121.218520 °	-121.218520 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38239 DS_ID:23727 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment and debris buildup inside pipe on LS toe. FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 10.09) and 612 (addendum), February 1999, (HLM 10.00) (Station 528+18)]. FS Date: 5/21/2014					

Photo 1 of 3 : UCIP_FA_2017_38239_69728.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	9.78	Rating **	M	Issue No.	1159 (cont)
LM End	9.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.070510 °	38.070510 °
				-121.218520 °	-121.218520 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38239 DS_ID:23727 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment and debris buildup inside pipe on LS toe. FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 10.09) and 612 (addendum), February 1999, (HLM 10.00) (Station 528+18)]. FS Date: 5/21/2014					

LM Start	9.78	Rating **	M	Issue No.	1159 (cont)
LM End	9.78	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38239_69727.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP_FA_2017_38239_69726.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	10.21	Rating **	A/W	Issue No.	1160 (cont)	
LM End	10.21	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.073660 °	38.073660 °	
				-121.212010 °	-121.212010 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38232 DS_ID:23728 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 10.46) and 612 (addendum), February 1999, (HLM 10.44) (Station 551+22)]. FS Date: 5/21/2014						

Photo 3 of 3 : UCIP_FA_2017_38232_69704.jpg



Headwall and flapgate on WS slope.

LM Start	10.23	Rating **	M	Issue No.	1161	
LM End	10.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.073725 °	38.073725 °	
				-121.211715 °	-121.211715 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41808 DS_ID:23729 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some sediment buildup in pipe at LS toe. FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 10.48) and 612 (addendum), February 1999, (HLM 10.46) (Station 552+17)]. FS Date: 5/21/2014						

Photo 1 of 3 : UCIP_FA_2017_41808_69701.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	10.23	Rating **	M	Issue No.	1161 (cont)	
LM End	10.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.073725 °		38.073725 °
				-121.211715 °		-121.211715 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41808 DS_ID:23729 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some sediment buildup in pipe at LS toe. FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 10.48) and 612 (addendum), February 1999, (HLM 10.46) (Station 552+17)]. FS Date: 5/21/2014						

LM Start	10.23	Rating **	M	Issue No.	1161 (cont)
LM End	10.23	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_41808_69700.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP_FA_2017_41808_69703.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	10.43	Rating **	A/W	Issue No.	1162
LM End	10.43	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.075750 °	38.075750 °
				-121.208184 °	-121.208184 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38229 DS_ID:23748 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 2-small PVC pipes discharge into inlet on LS toe. FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 10.75) and 612 (addendum), February 1999, (HLM 10.72) (Station 566+09)]. FS Date: 5/21/2014					

LM Start	10.43	Rating **	A/W	Issue No.	1162 (cont)
LM End	10.43	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_38229_69693.jpg



Headwall with two PVC discharge pipes at LS toe.

Photo 2 of 3 : UCIP_FA_2017_38229_69692.jpg



Headwall with two PVC discharge pipes at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	10.43	Rating **	A/W	Issue No.	1162 (cont)
LM End	10.43	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.075750 °	38.075750 °
				-121.208184 °	-121.208184 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38229 DS_ID:23748 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 2-small PVC pipes discharge into inlet on LS toe. FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 10.75) and 612 (addendum), February 1999, (HLM 10.72) (Station 566+09)]. FS Date: 5/21/2014					

Photo 3 of 3 : UCIP_FA_2017_38229_69691.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	10.65	Rating **	M	Issue No.	1163
LM End	10.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.078140 °	38.078140 °
				-121.205820 °	-121.205820 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41810 DS_ID:23749 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some silt buildup in pipe at LS toe. FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 10.97) and 612 (addendum), February 1999, (HLM 10.94) (Station 577+59)]. FS Date: 5/21/2014					

Photo 1 of 3 : UCIP_FA_2017_41810_69684.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	10.65	Rating **	M	Issue No.	1163 (cont)	
LM End	10.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.078140 °		38.078140 °
				-121.205820 °		-121.205820 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41810 DS_ID:23749 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some silt buildup in pipe at LS toe. FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 10.97) and 612 (addendum), February 1999, (HLM 10.94) (Station 577+59)]. FS Date: 5/21/2014						

Photo 2 of 3 : UCIP_FA_2017_41810_69683.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	10.65	Rating **	M	Issue No.	1163 (cont)
LM End	10.65	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_41810_69682.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	10.99	Rating **	A/W	Issue No.	1164	
LM End	10.99	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.079910 °		38.079910 °
				-121.200413 °		-121.200413 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38224 DS_ID:23750 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 11.32) and 612 (addendum), February 1999, (HLM 11.28) (Station 595+39)]. FS Date: 5/21/2014						

LM Start	10.99	Rating **	A/W	Issue No.	1164 (cont)
LM End	10.99	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_38224_69667.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP_FA_2017_38224_69666.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	10.99	Rating **	A/W	Issue No.	1164 (cont)
LM End	10.99	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.079910 °	38.079910 °
				-121.200413 °	-121.200413 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38224 DS_ID:23750 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 11.32) and 612 (addendum), February 1999, (HLM 11.28) (Station 595+39)]. FS Date: 5/21/2014					

Photo 3 of 3 : UCIP_FA_2017_38224_69665.jpg



Headwall at LS toe.

LM Start	11.03	Rating **	A/W	Issue No.	1165	
LM End	11.03	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.080429 °	38.080429 °	
				-121.199885 °	-121.199885 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38223						
DS_ID:23751						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 36-inch corrugated metal storm drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 11.37) and 612 (addendum), February 1999, (HLM 11.32) (Station 597+78)].						
FS Date: 5/21/2014						

Photo 1 of 3 : UCIP_FA_2017_38223_69662.jpg



Headwall and grouted intake on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	11.24	Rating **	A/W	Issue No.	1166
LM End	11.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.082765 °	38.082765 °
				-121.197352 °	-121.197352 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38221 DS_ID:23752 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 11.59) and 612 (addendum), February 1999, (HLM 11.60) (Station 612+48)]. FS Date: 5/21/2014					

Photo 1 of 3 : UCIP_FA_2017_38221_69659.jpg



Headwall at LS toe with grouted inlet.

LM Start	11.24	Rating **	A/W	Issue No.	1166 (cont)
LM End	11.24	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38221_69658.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	11.24	Rating **	A/W	Issue No.	1166 (cont)	
LM End	11.24	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.082765 °		38.082765 °
				-121.197352 °		-121.197352 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38221 DS_ID:23752 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 11.59) and 612 (addendum), February 1999, (HLM 11.60) (Station 612+48)]. FS Date: 5/21/2014						

Photo 3 of 3 : UCIP_FA_2017_38221_69657.jpg



Headwall and flapgate on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	11.31	Rating **	A/W	Issue No.	1167 (cont)	
LM End	11.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.083428 °	38.083428 °	
				-121.196474 °	-121.196474 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51700 DS_ID:23753 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 04/26/2017 Rodent activity is already accounted for via DWR FPIIB inspections. As per inspection chief G. Wylie, crossing has been downgraded from Non-Urgent to No Action Needed, as pipe integrity itself is not in question. (K. Fazel - UCIP)05/21/2014 Rodent activity at LS shoulder. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both slopes. Cobble grouted spillway on the WS slope. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 11.65) and 612 (addendum), February 1999, (HLM 11.99) (Station 633+20)]. FS Date: 5/21/2014						

Photo 3 of 3 : UCIP_FA_2017_51700_69651.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	11.70	Rating **	A/W	Issue No.	1168
LM End	11.70	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.086137 °	38.086137 °
				-121.190458 °	-121.190458 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:51701
DS_ID:23754
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 04/26/2017 Rodent activity is already accounted for via DWR FPIIB inspections. As per inspection chief G. Wylie, crossing has been downgraded from Non-Urgent to No Action Needed, as pipe integrity itself is not in question. (K. Fazel - UCIP)05/21/2014 Rodent activity at LS shoulder. (G. Wylie - FPIIB)
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.06)].
FS Date: 5/21/2014

LM Start	11.70	Rating **	A/W	Issue No.	1168 (cont)
LM End	11.70	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_51701_69648.jpg



Headwall at LS toe. 4-inch PVC backwash from filter plant discharges at headwall.

Photo 2 of 3 : UCIP_FA_2017_51701_69647.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Flood Control Project Maintenance
Levee Inspections**

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	11.70	Rating **	A/W	Issue No.	1168 (cont)	
LM End	11.70	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.086137 °		38.086137 °
				-121.190458 °		-121.190458 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51701 DS_ID:23754 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 04/26/2017 Rodent activity is already accounted for via DWR FPIIB inspections. As per inspection chief G. Wylie, crossing has been downgraded from Non-Urgent to No Action Needed, as pipe integrity itself is not in question. (K. Fazel - UCIP)05/21/2014 Rodent activity at LS shoulder. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.06)]. FS Date: 5/21/2014						

Photo 3 of 3 : UCIP_FA_2017_51701_69646.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	11.84	Rating **	M	Issue No.	1170
LM End	11.84	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.087303 °	38.087303 °
				-121.188608 °	-121.188608 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38216					
DS_ID:23756					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: CMP riser missing cover on WS slope.					
FIELD_STRUCT_DESC: 1 of 2: 48-inch corrugated metal storm drainage pipe through the levee, 8.5 feet below the crown. Slide gate in 60-inch corrugated metal riser unit on the waterside (WS) slope. Concrete U-shaped headwalls on both ends. Cobble grouted spillway on the WS end. Cobble grouted apron on the landside (LS) end.					
[Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.20) and 612 (addendum), February 1999, (HLM 12.13) (Station 640+50)].					
FS Date: 5/21/2014					

LM Start	11.84	Rating **	M	Issue No.	1170 (cont)
LM End	11.84	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_38216_69639.jpg



Headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2017_38216_69638.jpg



Slide gate in CMP riser on WS slope missing cover.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	11.84	Rating **	M	Issue No.	1170 (cont)	
LM End	11.84	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.087303 °	38.087303 °	
				-121.188608 °	-121.188608 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38216						
DS_ID:23756						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: CMP riser missing cover on WS slope.						
FIELD_STRUCT_DESC: 1 of 2: 48-inch corrugated metal storm						
drainage pipe through the levee, 8.5 feet below the crown. Slide gate in						
60-inch corrugated metal riser unit on the waterside (WS) slope.						
Concrete U-shaped headwalls on both ends. Cobble grouted spillway						
on the WS end. Cobble grouted apron on the landside (LS) end.						
[Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin						
O&M Manual 612.2, 1967, (HLM 12.20) and 612 (addendum), February						
1999, (HLM 12.13) (Station 640+50)].						
FS Date: 5/21/2014						

Photo 3 of 3 : UCIP_FA_2017_38216_69637.jpg



Headwall on LS toe.

LM Start	11.84	Rating **	M	Issue No.	1171	
LM End	11.84	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.087319 °		38.087319 °
				-121.188596 °		-121.188596 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38214						
DS_ID:23818						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: CMP riser missing cover on WS slope may be hazard.						
FIELD_STRUCT_DESC: 2 of 2: 48-inch corrugated metal storm drainage pipe through the levee, 8.5 feet below the crown. Slide gate in 60-inch corrugated metal riser unit on the waterside (WS) slope. Concrete U-shaped headwalls on both ends. Cobble grouted spillway on the WS end. Cobble grouted apron on the landside (LS) end.						
[Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.20) and 612 (addendum), February 1999, (HLM 12.13) (Station 640+50)].						
FS Date: 5/21/2014						

Photo 1 of 3 : UCIP_FA_2017_38214_69625.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	11.84	Rating **	M	Issue No.	1171 (cont)
LM End	11.84	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.087319 °	38.087319 °
				-121.188596 °	-121.188596 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:38214
DS_ID:23818
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: CMP riser missing cover on WS slope may be hazard.
FIELD_STRUCT_DESC: 2 of 2: 48-inch corrugated metal storm drainage pipe through the levee, 8.5 feet below the crown. Slide gate in 60-inch corrugated metal riser unit on the waterside (WS) slope. Concrete U-shaped headwalls on both ends. Cobble grouted spillway on the WS end. Cobble grouted apron on the landside (LS) end.
[Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.20) and 612 (addendum), February 1999, (HLM 12.13) (Station 640+50)].
FS Date: 5/21/2014

LM Start	11.84	Rating **	M	Issue No.	1171 (cont)
LM End	11.84	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38214_69624.jpg



Slidegate on WS shoulder.

Photo 3 of 3 : UCIP_FA_2017_38214_69623.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	12.07	Rating **	M	Issue No.	1172
LM End	12.07	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.089088 °	38.089088 °
				-121.185187 °	-121.185187 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41811 DS_ID:23757 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some sediment buildup in pipe at inlet. FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.43) and 612 (addendum), February 1999, (HLM 12.36) (Station 652+74)]. FS Date: 5/21/2014					

LM Start	12.07	Rating **	M	Issue No.	1172 (cont)
LM End	12.07	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_41811_69621.jpg



Headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2017_41811_69620.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	12.07	Rating **	M	Issue No.	1172 (cont)
LM End	12.07	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.089088 °	38.089088 °
				-121.185187 °	-121.185187 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41811 DS_ID:23757 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some sediment buildup in pipe at inlet. FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.43) and 612 (addendum), February 1999, (HLM 12.36) (Station 652+74)]. FS Date: 5/21/2014					

Photo 3 of 3 : UCIP_FA_2017_41811_69619.jpg



Headwall on LS toe.

LM Start	12.41	Rating **	A/W	Issue No.	1174	
LM End	12.41	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.091770 °	38.091770 °	
				-121.181070 °	-121.181070 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38210						
DS_ID:23761						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.78) and 612 (addendum), February 1999, (HLM 12.70) (Station 670+43)].						
FS Date: 5/21/2014						

Photo 1 of 3 : UCIP_FA_2017_38210_69610.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	12.41	Rating **	A/W	Issue No.	1174 (cont)
LM End	12.41	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.091770 °	38.091770 °
				-121.181070 °	-121.181070 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38210					
DS_ID:23761					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.78) and 612 (addendum), February 1999, (HLM 12.70) (Station 670+43)].					
FS Date: 5/21/2014					

Photo 2 of 3 : UCIP_FA_2017_38210_69609.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	12.41	Rating **	A/W	Issue No.	1174 (cont)
LM End	12.41	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38210_69608.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	12.57	Rating **	A/W	Issue No.	1177 (cont)	
LM End	12.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.092130 °	38.092130 °	
				-121.178163 °	-121.178163 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38206 DS_ID:23764 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal storm drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway on the WS end. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.94) and 612 (addendum), February 1999, (HLM 12.86) (Station 678+88)]. FS Date: 5/21/2014						

Photo 3 of 3 : UCIP_FA_2017_38206_69600.jpg



Headwall at LS toe.

LM Start	12.63	Rating **	A/W	Issue No.	1178
LM End	12.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.092598 °	38.092598 °
				-121.177228 °	-121.177228 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38205 DS_ID:23765 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Slide gate on the landside (LS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the LS end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 13.00)]. FS Date: 5/21/2014					

Photo 1 of 3 : UCIP_FA_2017_38205_69591.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	12.63	Rating **	A/W	Issue No.	1178 (cont)	
LM End	12.63	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.092598 °		38.092598 °
				-121.177228 °		-121.177228 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38205 DS_ID:23765 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Slide gate on the landside (LS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the LS end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 13.00)]. FS Date: 5/21/2014						

Photo 2 of 3 : UCIP_FA_2017_38205_69590.jpg



Headwall and Slidegate on LS toe.

LM Start	12.63	Rating **	A/W	Issue No.	1178 (cont)
LM End	12.63	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38205_69589.jpg



Headwall and Flapgate on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	12.89	Rating **	A/W	Issue No.	1180	
LM End	12.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.097279 °	38.097279 °	
				-121.175854 °	-121.175854 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38203 DS_ID:23767 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 13.26)]. FS Date: 5/21/2014						

Photo 1 of 3 : UCIP_FA_2017_38203_69582.jpg



Concrete headwall on LS toe.

LM Start	12.89	Rating **	A/W	Issue No.	1180 (cont)
LM End	12.89	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38203_69581.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	12.98	Rating **	M	Issue No.	1181 (cont)	
LM End	12.98	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.098566 °	38.098566 °	
				-121.175704 °	-121.175704 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38144 DS_ID:23768 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some debris buildup at inlet. No lid on CMP riser on WS slope. FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete U-shaped headwall on both ends. Slide gate in corrugated metal riser unit on the waterside (WS) slope. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 13.35)]. FS Date: 5/21/2014						

Photo 2 of 3 : UCIP_FA_2017_38144_69425.jpg



Headwall on LS toe. Note debris buildup.

LM Start	12.98	Rating **	M	Issue No.	1181 (cont)
LM End	12.98	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38144_69424.jpg



Headwall on LS toe. Note debris buildup.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	12.98	Rating **	M	Issue No.	1182
LM End	12.98	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.098582 °	38.098582 °
				-121.175703 °	-121.175703 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38143 DS_ID:23816 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some debris buildup at inlet and no lid on standpipe at WS shoulder. FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete U-shaped headwall on both ends. Slide gate in corrugated metal riser unit on the waterside (WS) slope. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 13.35)]. FS Date: 5/21/2014					

Photo 1 of 3 : UCIP_FA_2017_38143_69422.jpg



Slide gate in CMP riser on WS slope.

LM Start	12.98	Rating **	M	Issue No.	1182 (cont)
LM End	12.98	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38143_69421.jpg



Headwall on LS toe. Note debris buildup.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	12.98	Rating **	M	Issue No.	1182 (cont)
LM End	12.98	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.098582 °	38.098582 °
				-121.175703 °	-121.175703 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38143 DS_ID:23816 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some debris buildup at inlet and no lid on standpipe at WS shoulder. FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete U-shaped headwall on both ends. Slide gate in corrugated metal riser unit on the waterside (WS) slope. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 13.35)]. FS Date: 5/21/2014					

Photo 3 of 3 : UCIP_FA_2017_38143_69420.jpg



Headwall on LS toe. Note debris buildup.

LM Start	13.13	Rating **	A/W	Issue No.	1183
LM End	13.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.100544 °	38.100544 °
				-121.176536 °	-121.176536 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38141 DS_ID:23769 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 13.50)]. FS Date: 5/21/2014					

Photo 1 of 3 : UCIP_FA_2017_38141_69418.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	13.13	Rating **	A/W	Issue No.	1183 (cont)	
LM End	13.13	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.100544 °	38.100544 °	
				-121.176536 °	-121.176536 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38141 DS_ID:23769 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 13.50)]. FS Date: 5/21/2014						

Photo 2 of 3 : UCIP_FA_2017_38141_69417.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	13.13	Rating **	A/W	Issue No.	1183 (cont)
LM End	13.13	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38141_69416.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	13.23	Rating **	A/W	Issue No.	1185	
LM End	13.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.101804 °		38.101804 °
				-121.177156 °		-121.177156 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38140 DS_ID:23770 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 13.60)]. FS Date: 5/21/2014						

Photo 1 of 3 : UCIP_FA_2017_38140_69413.jpg



Headwall on LS toe.

LM Start	13.23	Rating **	A/W	Issue No.	1185 (cont)
LM End	13.23	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38140_69412.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	13.23	Rating **	A/W	Issue No.	1185 (cont)	
LM End	13.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.101804 °	38.101804 °	
				-121.177156 °	-121.177156 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38140 DS_ID:23770 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 13.60)]. FS Date: 5/21/2014						

Photo 3 of 3 : UCIP_FA_2017_38140_69411.jpg



Headwall on LS toe.

LM Start	13.44	Rating **	A/W	Issue No.	1186
LM End	13.44	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.104814 °	38.104814 °
				-121.176570 °	-121.176570 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38139 DS_ID:23771 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 13.81)]. FS Date: 5/21/2014					

Photo 1 of 3 : UCIP_FA_2017_38139_69408.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	13.44	Rating **	A/W	Issue No.	1186 (cont)	
LM End	13.44	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.104814 °	38.104814 °	
				-121.176570 °	-121.176570 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38139 DS_ID:23771 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 13.81)]. FS Date: 5/21/2014						

Photo 2 of 3 : UCIP_FA_2017_38139_69407.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	13.44	Rating **	A/W	Issue No.	1186 (cont)
LM End	13.44	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38139_69406.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	13.72	Rating **	M	Issue No.	82
LM End	13.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.107803 °	38.107803 °
				-121.173179 °	-121.173179 °
DWR ID	DWR_NA0017_08_f_2015_82				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_152_82_20170921_00020.jpg



View of debris on the landside toe of the levee. Fall 2016

LM Start	13.78	Rating **	A/W	Issue No.	1187	
LM End	13.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.108581 °	38.108581 °	
				-121.172653 °	-121.172653 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38137 DS_ID:23773 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 14.16)]. FS Date: 5/21/2014						

Photo 1 of 3 : UCIP_FA_2017_38137_69401.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	13.78	Rating **	A/W	Issue No.	1187 (cont)	
LM End	13.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.108581 °		38.108581 °
				-121.172653 °		-121.172653 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38137 DS_ID:23773 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 14.16)]. FS Date: 5/21/2014						

Photo 2 of 3 : UCIP_FA_2017_38137_69400.jpg



Headwall on LS toe.

LM Start	13.78	Rating **	A/W	Issue No.	1187 (cont)
LM End	13.78	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38137_69399.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	13.78	Rating **	A/W	Issue No.	1188	
LM End	13.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.108594 °	38.108594 °	
				-121.172640 °	-121.172640 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38136 DS_ID:23815 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 14.16)]. FS Date: 5/21/2014						

Photo 1 of 3 : UCIP_FA_2017_38136_69396.jpg



Headwall and flapgate on WS slope.

LM Start	13.78	Rating **	A/W	Issue No.	1188 (cont)
LM End	13.78	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38136_69395.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	13.78	Rating **	A/W	Issue No.	1188 (cont)
LM End	13.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.108594 °	38.108594 °
				-121.172640 °	-121.172640 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38136 DS_ID:23815 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 14.16)]. FS Date: 5/21/2014					

Photo 3 of 3 : UCIP_FA_2017_38136_69394.jpg



Headwall on LS toe.

LM Start	13.97	Rating **	A/W	Issue No.	1189
LM End	13.97	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111250 °	38.111250 °
				-121.172202 °	-121.172202 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38134 DS_ID:23775 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 14.35)]. FS Date: 5/21/2014					

Photo 1 of 3 : UCIP_FA_2017_38134_69389.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	13.97	Rating **	A/W	Issue No.	1189 (cont)
LM End	13.97	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111250 °	38.111250 °
				-121.172202 °	-121.172202 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:38134
DS_ID:23775
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 14.35)].
FS Date: 5/21/2014

LM Start	13.97	Rating **	A/W	Issue No.	1189 (cont)
LM End	13.97	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38134_69388.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP_FA_2017_38134_69387.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	14.08	Rating **	M	Issue No.	1190
LM End	14.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.112950 °	38.112950 °
				-121.171992 °	-121.171992 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38133 DS_ID:23776 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some silt buildup inside pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 14.46)]. FS Date: 5/21/2014					

Photo 1 of 3 : UCIP_FA_2017_38133_69384.jpg



Headwall on LS toe.

LM Start	14.08	Rating **	M	Issue No.	1190 (cont)
LM End	14.08	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38133_69383.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	14.08	Rating **	M	Issue No.	1190 (cont)	
LM End	14.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.112950 °	38.112950 °	
				-121.171992 °	-121.171992 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38133 DS_ID:23776 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some silt buildup inside pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 14.46)]. FS Date: 5/21/2014						

Photo 3 of 3 : UCIP_FA_2017_38133_69382.jpg



Headwall on LS toe.

LM Start	14.31	Rating **	M	Issue No.	1191
LM End	14.31	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.116164 °	38.116164 °
				-121.171657 °	-121.171657 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38130 DS_ID:23778 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some silt buildup inside pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 14.69)]. FS Date: 5/21/2014					

Photo 1 of 3 : UCIP_FA_2017_38130_69375.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	14.31	Rating **	M	Issue No.	1191 (cont)
LM End	14.31	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.116164 °	38.116164 °
				-121.171657 °	-121.171657 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:38130
DS_ID:23778
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Some silt buildup inside pipe.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 14.69)].
FS Date: 5/21/2014

LM Start	14.31	Rating **	M	Issue No.	1191 (cont)
LM End	14.31	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38130_69374.jpg



Headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2017_38130_69373.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	14.32	Rating **	A/W	Issue No.	1193	
LM End	14.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.116420 °		38.116420 °
				-121.171643 °		-121.171643 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38129						
DS_ID:23779						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 14.70)].						
FS Date: 5/20/2014						

Photo 1 of 3 : UCIP_FA_2017_38129_69370.jpg



Headwall on LS toe.

LM Start	14.32	Rating **	A/W	Issue No.	1193 (cont)
LM End	14.32	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38129_69369.jpg



Headwall and flapgate on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	14.32	Rating **	A/W	Issue No.	1193 (cont)	
LM End	14.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.116420 °	38.116420 °	
				-121.171643 °	-121.171643 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38129						
DS_ID:23779						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 14.70)].						
FS Date: 5/20/2014						

Photo 3 of 3 : UCIP_FA_2017_38129_69368.jpg



Headwall at LS toe.

LM Start	14.70	Rating **	A/W	Issue No.	1194
LM End	14.70	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.121425 °	38.121425 °
				-121.169179 °	-121.169179 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38127					
DS_ID:23780					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 3 feet below the crown. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 15.08)].					
FS Date: 5/20/2014					

Photo 1 of 3 : UCIP_FA_2017_38127_69362.jpg



Pipe at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	14.70	Rating **	A/W	Issue No.	1194 (cont)	
LM End	14.70	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.121425 °	38.121425 °	
				-121.169179 °	-121.169179 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38127						
DS_ID:23780						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe						
through the levee, 3 feet below the crown. Flap gate on the waterside						
(WS) end. Cobble grouted spillway. Cobble grouted intake on the						
landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE						
San Joaquin O&M Manual 612.2, 1967, (HLM 15.08)].						
FS Date: 5/20/2014						

Photo 2 of 3 : UCIP_FA_2017_38127_69361.jpg



Pipe, flapgate, and grouted spillway on WS slope.

LM Start	14.70	Rating **	A/W	Issue No.	1194 (cont)
LM End	14.70	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38127_69360.jpg



Pipe, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	14.75	Rating **	A/W	Issue No.	57
LM End	14.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.122152 °	38.122152 °
				-121.169461 °	-121.169461 °
DWR ID	DWR_NA0017_08_f_2015_57				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Waterside toe erosion.					

Photo 1 of 1 : FA_2017_NA0017_152_57_20170921_00013.jpg



Erosion was found on the waterside toe of the levee. The picture was taken from the right bank of the levee.

LM Start	14.76	Rating **	C	Issue No.	129
LM End	14.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.122329 °	38.122329 °
				-121.169028 °	-121.169028 °
DWR ID	DWR_NA0017_08_f_2016_129				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	14.79	Rating **	C	Issue No.	96
LM End	14.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.122664 °	38.122664 °
				-121.169116 °	-121.169116 °
DWR ID	DWR_NA0017_08_f_2015_96				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	14.85	Rating **	A/W	Issue No.	1195
LM End	14.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.123628 °	38.123628 °
				-121.169175 °	-121.169175 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38126 DS_ID:23781 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted inlet on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 15.24)]. FS Date: 5/20/2014					

Photo 1 of 3 : UCIP_FA_2017_38126_69357.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	14.85	Rating **	A/W	Issue No.	1195 (cont)
LM End	14.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.123628 °	38.123628 °
				-121.169175 °	-121.169175 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:38126
DS_ID:23781
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted inlet on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 15.24)].
FS Date: 5/20/2014

LM Start	14.85	Rating **	A/W	Issue No.	1195 (cont)
LM End	14.85	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38126_69356.jpg



Headwall, flapgate, and grouted spillway on WS toe.

Photo 3 of 3 : UCIP_FA_2017_38126_69355.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	15.05	Rating **	A/W	Issue No.	1197	
LM End	15.05	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.125741 °	38.125741 °	
				-121.166840 °	-121.166840 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38125 DS_ID:23782 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 15.44)]. FS Date: 5/20/2014						

Photo 1 of 3 : UCIP_FA_2017_38125_69352.jpg



Headwall at LS toe.

LM Start	15.05	Rating **	A/W	Issue No.	1197 (cont)
LM End	15.05	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38125_69351.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	15.05	Rating **	A/W	Issue No.	1197 (cont)	
LM End	15.05	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.125741 °	38.125741 °	
				-121.166840 °	-121.166840 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38125 DS_ID:23782 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 15.44)]. FS Date: 5/20/2014						

Photo 3 of 3 : UCIP_FA_2017_38125_69350.jpg



Headwall and flapgate at WS toe.

LM Start	15.39	Rating **	M	Issue No.	90
LM End	15.39	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.126830 °	38.126830 °
				-121.162930 °	-121.162930 °
DWR ID	DWR_NA0017_08_s_2014_90				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	15.62	Rating **	A/W	Issue No.	1205
LM End	15.62	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.129880 °	38.129880 °
				-121.158017 °	-121.158017 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38122 DS_ID:23784 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 3 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 16.02)]. FS Date: 5/20/2014					

Photo 1 of 3 : UCIP_FA_2017_38122_69342.jpg



Headwall on LS toe.

LM Start	15.62	Rating **	A/W	Issue No.	1205 (cont)
LM End	15.62	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38122_69341.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	15.62	Rating **	A/W	Issue No.	1205 (cont)	
LM End	15.62	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.129880 °	38.129880 °	
				-121.158017 °	-121.158017 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38122						
DS_ID:23784						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 3 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 16.02)].						
FS Date: 5/20/2014						

Photo 3 of 3 : UCIP_FA_2017_38122_69340.jpg



Inside pipe at LS toe.

LM Start	15.75	Rating **	A/W	Issue No.	1206
LM End	15.75	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.129962 °	38.129962 °
				-121.155657 °	-121.155657 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38121 DS_ID:23785 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 1.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 16.15)]. FS Date: 5/20/2014					

Photo 1 of 3 : UCIP_FA_2017_38121_69337.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	15.75	Rating **	A/W	Issue No.	1206 (cont)
LM End	15.75	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.129962 °	38.129962 °
				-121.155657 °	-121.155657 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:38121
DS_ID:23785
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 1.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS).
[Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 16.15)].
FS Date: 5/20/2014

LM Start	15.75	Rating **	A/W	Issue No.	1206 (cont)
LM End	15.75	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38121_69336.jpg



Headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2017_38121_69335.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	15.82	Rating **	A/W	Issue No.	1207
LM End	15.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.130425 °	38.130425 °
				-121.154574 °	-121.154574 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38120 DS_ID:23786 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 16.22)]. FS Date: 5/20/2014					

Photo 1 of 3 : UCIP_FA_2017_38120_69333.jpg



Headwall at LS toe.

LM Start	15.82	Rating **	A/W	Issue No.	1207 (cont)
LM End	15.82	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38120_69332.jpg



Headwall and flapgate at WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	15.82	Rating **	A/W	Issue No.	1207 (cont)	
LM End	15.82	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.130425 °	38.130425 °	
				-121.154574 °	-121.154574 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38120 DS_ID:23786 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 16.22)]. FS Date: 5/20/2014						

Photo 3 of 3 : UCIP_FA_2017_38120_69331.jpg



Headwall at LS toe.

LM Start	15.88	Rating **	A/W	Issue No.	1208
LM End	15.88	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.131106 °	38.131106 °
				-121.153977 °	-121.153977 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38119 DS_ID:23787 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 16.27)]. FS Date: 5/20/2014					

Photo 1 of 3 : UCIP_FA_2017_38119_69328.jpg



Concrete headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/10/2017 10/13/2017	Pavel Kazi

LM Start	15.88	Rating **	A/W	Issue No.	1208 (cont)
LM End	15.88	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.131106 °	38.131106 °
				-121.153977 °	-121.153977 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38119 DS_ID:23787 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 16.27)]. FS Date: 5/20/2014					

Photo 2 of 3 : UCIP_FA_2017_38119_69327.jpg



Flapgate and headwall on WS toe.

LM Start	15.88	Rating **	A/W	Issue No.	1208 (cont)
LM End	15.88	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38119_69326.jpg



Concrete headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Paddy Creek	Left	1.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.01	Rating **	A	Issue No.	15
LM End	0.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.093157 °	38.093157 °
				-121.176309 °	-121.176309 °
DWR ID	DWR_NA0017_09_f_2017_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Acceptable vegetation.					

Photo 1 of 1 : FA_2017_NA0017_153_15_20171016_00070.jpg



View of the waterside slope of the levee. Fall 2017

LM Start	0.09	Rating **	A/W	Issue No.	16	
LM End	0.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.093870 °	38.093870 °	
				-121.175159 °	-121.175159 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38975 DS_ID:23850 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch CM drainage pipe through the levee, 9.5-feet below the crown. Concrete "U" headwall on both ends. Flap gate on the waterward end. Cobble grouted spillway. Cobble grouted intake on the landward side. O&M Manual Bear Creek Part 2, 1967. Included in O&M Manual Bear Creek Addendum, February 1999. [Additional Reference(s): DWR Levee Log, 1977, 1978, 1987, 1990. USACE San Joaquin O&M Manual Unit 612, Part No. 2 - Bear Creel Project, Unit 7: HLM 7.19 – 16.77, Unit 8: HLM 7.55-16.48, Unit 9: HLM 0.10-1.52; Unit 10: HLM 0.03-1.35, Unit 11: HLM 0.16-3.55, Unit 12: HLM 0.14-3.91; Unit 13, HLM 0.03-1.18; Unit 14, HLM 0.02-1.17, 1967, (HLM 1.52)] FS Date: 6/19/2014						

Photo 1 of 3 : UCIP_FA_2017_38975_71120.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Paddy Creek	Left	1.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.09	Rating **	A/W	Issue No.	16 (cont)
LM End	0.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.093870 °	38.093870 °
				-121.175159 °	-121.175159 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:38975
DS_ID:23850
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 24-inch CM drainage pipe through the levee, 9.5-feet below the crown. Concrete "U" headwall on both ends. Flap gate on the waterward end. Cobble grouted spillway. Cobble grouted intake on the landward side. O&M Manual Bear Creek Part 2, 1967. Included in O&M Manual Bear Creek Addendum, February 1999. [Additional Reference(s): DWR Levee Log, 1977, 1978, 1987, 1990. USACE San Joaquin O&M Manual Unit 612, Part No. 2 - Bear Creel Project, Unit 7: HLM 7.19 – 16.77, Unit 8: HLM 7.55-16.48, Unit 9: HLM 0.10-1.52; Unit 10: HLM 0.03-1.35, Unit 11: HLM 0.16-3.55, Unit 12: HLM 0.14-3.91; Unit 13, HLM 0.03-1.18; Unit 14, HLM 0.02-1.17, 1967, (HLM 1.52)]
FS Date: 6/19/2014

LM Start	0.09	Rating **	A/W	Issue No.	16 (cont)
LM End	0.09	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38975_71119.jpg



Pipe, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP_FA_2017_38975_71123.jpg



Inside pipe at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Paddy Creek	Left	1.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.55	Rating **	A/W	Issue No.	17
LM End	0.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094855 °	38.094855 °
				-121.166867 °	-121.166867 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38973 DS_ID:23853 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on both ends. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.56)]. FS Date: 6/19/2014					

Photo 1 of 3 : UCIP_FA_2017_38973_71110.jpg



Pipe and headwall on LS toe.

LM Start	0.55	Rating **	A/W	Issue No.	17 (cont)
LM End	0.55	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38973_71109.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Paddy Creek	Left	1.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.55	Rating **	A/W	Issue No.	17 (cont)
LM End	0.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094855 °	38.094855 °
				-121.166867 °	-121.166867 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38973 DS_ID:23853 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on both ends. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.56)]. FS Date: 6/19/2014					

Photo 3 of 3 : UCIP_FA_2017_38973_71108.jpg



Inside pipe at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Paddy Creek	Left	1.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.61	Rating **	A/W	Issue No.	18 (cont)	
LM End	0.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.095005 °	38.095005 °	
				-121.165847 °	-121.165847 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38972 DS_ID:23839 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Suction hose and appurtances appear to be abandoned. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). Pump with suction hose sleeved through storm drainage pipe located on the LS, removed during winter months. (Suction hose sleeved through pipe under Permit No. 11530, 1976 - Constantine M. Coppulos). [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.62) and 612 (addendum), February 1999, (HLM 0.61) (Station 32+46)]. FS Date: 6/19/2014						

Photo 3 of 3 : UCIP_FA_2017_38972_71103.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Paddy Creek	Left	1.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.85	Rating **	A/W	Issue No.	19
LM End	0.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094220 °	38.094220 °
				-121.161651 °	-121.161651 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38971 DS_ID:23840 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.86)]. FS Date: 6/19/2014					

Photo 1 of 3 : UCIP_FA_2017_38971_71100.jpg



Pipe and headwall on LS toe.

LM Start	0.85	Rating **	A/W	Issue No.	19 (cont)
LM End	0.85	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38971_71099.jpg



Pipe, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Paddy Creek	Left	1.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.93	Rating **	M	Issue No.	20 (cont)	
LM End	0.93	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.094247 °	38.094247 °	
				-121.160271 °	-121.160271 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41812						
DS_ID:23841						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Sediment buildup inside pipe.						
FIELD_STRUCT_DESC: 12-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Headwall on the landside (LS) toe. Flap gate on the waterside (WS) end. Cobble grouted spillway. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612 (addendum), February 1999, (HLM 0.93) (Station 49+30)].						
FS Date: 6/19/2014						

Photo 2 of 3 : UCIP_FA_2017_41812_71094.jpg



Pipe and headwall on LS toe.

LM Start	0.93	Rating **	M	Issue No.	20 (cont)
LM End	0.93	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_41812_71093.jpg



Inside pipe at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Paddy Creek	Left	1.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.02	Rating **	A/W	Issue No.	21
LM End	1.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094287 °	38.094287 °
				-121.158599 °	-121.158599 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38969 DS_ID:23842 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Cobble grouted spillway. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.03)]. FS Date: 6/19/2014					

Photo 1 of 3 : UCIP_FA_2017_38969_71090.jpg



Pipe and headwall on LS toe.

LM Start	1.02	Rating **	A/W	Issue No.	21 (cont)
LM End	1.02	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38969_71089.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Paddy Creek	Left	1.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.08	Rating **	A/W	Issue No.	22 (cont)	
LM End	1.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.094318	°	38.094318
				-121.157487	°	-121.157487
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38968 DS_ID:23843 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. One corrugated metal cutoff wall. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.09) and 612 (addendum), February 1999, (HLM 1.09) (Station 57+30)]. FS Date: 6/19/2014						

Photo 2 of 3 : UCIP_FA_2017_38968_71084.jpg



Pipe, flapgate, and grouted spillway on WS toe.

LM Start	1.08	Rating **	A/W	Issue No.	22 (cont)
LM End	1.08	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38968_71083.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Paddy Creek	Left	1.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.16	Rating **	A/W	Issue No.	23
LM End	1.16	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094356 °	38.094356 °
				-121.155924 °	-121.155924 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38967					
DS_ID:23844					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Headwall on the landside (LS) toe. Flap gate on the waterside (WS) end. Cobble grouted spillway. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.18) and 612 (addendum), February 1999, (HLM 1.17) (Station 61+82)].					
FS Date: 6/19/2014					

Photo 1 of 3 : UCIP_FA_2017_38967_71079.jpg



Pipe and headwall on LS toe.

LM Start	1.16	Rating **	A/W	Issue No.	23 (cont)
LM End	1.16	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38967_71078.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Paddy Creek	Left	1.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.16	Rating **	A/W	Issue No.	23 (cont)
LM End	1.16	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094356 °	38.094356 °
				-121.155924 °	-121.155924 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38967					
DS_ID:23844					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Headwall on the landside (LS) toe. Flap gate on the waterside (WS) end. Cobble grouted spillway. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.18) and 612 (addendum), February 1999, (HLM 1.17) (Station 61+82)].					
FS Date: 6/19/2014					

Photo 3 of 3 : UCIP_FA_2017_38967_71082.jpg



Inside pipe at LS toe.

LM Start	1.22	Rating **	A/W	Issue No.	24
LM End	1.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094423 °	38.094423 °
				-121.154902 °	-121.154902 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38997					
DS_ID:23845					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 12-inch corrugated metal storm drainage pipe through the levee, 6.5 feet below the crown. Flap gate on the waterside (WS) end. Cobble grouted spillway. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.23) and 612 (addendum), February 1999, (HLM 1.23) (Station 64+78)].					
FS Date: 6/19/2014					

Photo 1 of 3 : UCIP_FA_2017_38997_71074.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Paddy Creek	Left	1.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.22	Rating **	A/W	Issue No.	24 (cont)	
LM End	1.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.094423 °	38.094423 °	
				-121.154902 °	-121.154902 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38997						
DS_ID:23845						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 12-inch corrugated metal storm drainage pipe						
through the levee, 6.5 feet below the crown. Flap gate on the waterside						
(WS) end. Cobble grouted spillway. [Additional Reference(s): DWR						
Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM						
1.23) and 612 (addendum), February 1999, (HLM 1.23) (Station 64+78)].						
FS Date: 6/19/2014						

Photo 2 of 3 : UCIP_FA_2017_38997_71073.jpg



Pipe, flapgate, and grouted spillway on WS toe.

LM Start	1.22	Rating **	A/W	Issue No.	24 (cont)
LM End	1.22	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38997_71077.jpg



Headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Paddy Creek	Left	1.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.44	Rating **	M	Issue No.	25
LM End	1.44	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094073 °	38.094073 °
				-121.150947 °	-121.150947 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:38977
DS_ID:23847
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Flapgate blocked by soil and possibly concrete on WS slope.
FIELD_STRUCT_DESC: 21-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Flap gate on the waterside (WS) end. Cobble grouted spillway. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.45) and 612 (addendum), February 1999, (HLM 1.45) (Station 76+42)].
FS Date: 6/19/2014

LM Start	1.44	Rating **	M	Issue No.	25 (cont)
LM End	1.44	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_38977_71064.jpg



Concrete headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2017_38977_71063.jpg



Pipe, flapgate, and grouted spillway on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Paddy Creek	Left	1.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.45	Rating **	A/W	Issue No.	26 (cont)	
LM End	1.45	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.094093 °	38.094093 °	
				-121.150703 °	-121.150703 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38963						
DS_ID:23848						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 21-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Flap gate on the waterside (WS) end. Cobble grouted spillway. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.47)].						
FS Date: 6/19/2014						

Photo 2 of 3 : UCIP_FA_2017_38963_70883.jpg



Pipe visible on LS toe.

LM Start	1.45	Rating **	A/W	Issue No.	26 (cont)
LM End	1.45	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38963_71060.jpg



Pipe visible on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Paddy Creek	Right	1.41	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.03	Rating **	A/W	Issue No.	13
LM End	0.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094170 °	38.094170 °
				-121.175555 °	-121.175555 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38567 DS_ID:23859 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.03)]. FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2017_38567_70661.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	0.03	Rating **	A/W	Issue No.	13 (cont)
LM End	0.03	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38567_70660.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Paddy Creek	Right	1.41	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.03	Rating **	A/W	Issue No.	13 (cont)	
LM End	0.03	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.094170 °	38.094170 °	
				-121.175555 °	-121.175555 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38567						
DS_ID:23859						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.03)].						
FS Date: 6/12/2014						

Photo 3 of 3 : UCIP_FA_2017_38567_70659.jpg



Headwall at LS toe.

LM Start	0.24	Rating **	A/W	Issue No.	14
LM End	0.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094879 °	38.094879 °
				-121.171734 °	-121.171734 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38568 DS_ID:23860 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.24)]. FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2017_38568_70666.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Flood Control Project Maintenance
Levee Inspections**

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Paddy Creek	Right	1.41	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.24	Rating **	A/W	Issue No.	14 (cont)
LM End	0.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094879 °	38.094879 °
				-121.171734 °	-121.171734 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:38568
DS_ID:23860
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.24)].
FS Date: 6/12/2014

LM Start	0.24	Rating **	A/W	Issue No.	14 (cont)
LM End	0.24	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38568_70665.jpg



Headwall at LS toe.

Photo 3 of 3 : UCIP_FA_2017_38568_70664.jpg



Headwall and flapgate on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Paddy Creek	Right	1.41	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.36	Rating **	A/W	Issue No.	15
LM End	0.36	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.095035 °	38.095035 °
				-121.168334 °	-121.168334 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:38994
DS_ID:23861
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.36)].
FS Date: 6/19/2014

LM Start	0.36	Rating **	A/W	Issue No.	15 (cont)
LM End	0.36	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_38994_71165.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2017_38994_71164.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Paddy Creek	Right	1.41	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.36	Rating **	A/W	Issue No.	15 (cont)	
LM End	0.36	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.095035 °	38.095035 °	
				-121.168334 °	-121.168334 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38994						
DS_ID:23861						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.36)].						
FS Date: 6/19/2014						

Photo 3 of 3 : UCIP_FA_2017_38994_71163.jpg



Inside pipe at LS toe.

LM Start	0.45	Rating **	A/W	Issue No.	16
LM End	0.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.095271 °	38.095271 °
				-121.166654 °	-121.166654 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38992 DS_ID:23863 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.46)]. FS Date: 6/19/2014					

Photo 1 of 3 : UCIP_FA_2017_38992_71158.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Paddy Creek	Right	1.41	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.45	Rating **	A/W	Issue No.	16 (cont)	
LM End	0.45	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.095271 °	38.095271 °	
				-121.166654 °	-121.166654 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38992						
DS_ID:23863						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.46)].						
FS Date: 6/19/2014						

LM Start	0.45	Rating **	A/W	Issue No.	16 (cont)
LM End	0.45	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38992_71157.jpg



Pipe, headwall, flapgate, and grouted spillway on WS toe.

Photo 3 of 3 : UCIP_FA_2017_38992_71156.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Paddy Creek	Right	1.41	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.49	Rating **	M	Issue No.	12
LM End	0.49	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.095304 °	38.095304 °
				-121.165945 °	-121.165945 °
DWR ID	DWR_NA0017_10_f_2017_12				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_154_12_20171016_00059.jpg



View of prunings on the crown of the levee. Fall 2017

LM Start	0.57	Rating **	A/W	Issue No.	17
LM End	0.57	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094837 °	38.094837 °
				-121.164562 °	-121.164562 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38990 DS_ID:23864 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). (Temporary 3-inch polyvinyl chloride drainage pipe sleeved through drainage pipe with portable LS pump under Permit No. 11617, 1976 - Tom Patterson). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.58)]. FS Date: 6/19/2014					

Photo 1 of 3 : UCIP_FA_2017_38990_71153.jpg



Pipe, headwall, flapgate, and grouted spillway on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Paddy Creek	Right	1.41	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.57	Rating **	A/W	Issue No.	17 (cont)
LM End	0.57	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094837 °	38.094837 °
				-121.164562 °	-121.164562 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:38990
DS_ID:23864
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). (Temporary 3-inch polyvinyl chloride drainage pipe sleeved through drainage pipe with portable LS pump under Permit No. 11617, 1976 - Tom Patterson). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.58)].
FS Date: 6/19/2014

LM Start	0.57	Rating **	A/W	Issue No.	17 (cont)
LM End	0.57	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38990_71152.jpg



Pipe and headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2017_38990_71151.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Paddy Creek	Right	1.41	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.86	Rating **	A/W	Issue No.	18	
LM End	0.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.094639 °	38.094639 °	
				-121.159426 °	-121.159426 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38989						
DS_ID:23865						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.86)].						
FS Date: 6/19/2014						

Photo 1 of 3 : UCIP_FA_2017_38989_71148.jpg



Pipe, headwall, flapgate, and grouted spillway on WS toe.

LM Start	0.86	Rating **	A/W	Issue No.	18 (cont)
LM End	0.86	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38989_71147.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Paddy Creek	Right	1.41	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.86	Rating **	A/W	Issue No.	18 (cont)	
LM End	0.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.094639 °		38.094639 °
				-121.159426 °		-121.159426 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38989 DS_ID:23865 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.86)]. FS Date: 6/19/2014						

Photo 3 of 3 : UCIP_FA_2017_38989_71146.jpg



Pipe and headwall on LS toe.

LM Start	1.08	Rating **	A/W	Issue No.	19
LM End	1.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094699 °	38.094699 °
				-121.155329 °	-121.155329 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38988 DS_ID:23866 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.09)]. FS Date: 6/19/2014					

Photo 1 of 3 : UCIP_FA_2017_38988_71144.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Paddy Creek	Right	1.41	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.08	Rating **	A/W	Issue No.	19 (cont)	
LM End	1.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.094699 °		38.094699 °
				-121.155329 °		-121.155329 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38988 DS_ID:23866 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.09)]. FS Date: 6/19/2014						

Photo 2 of 3 : UCIP_FA_2017_38988_71143.jpg



Pipe and headwall on LS toe.

LM Start	1.08	Rating **	A/W	Issue No.	19 (cont)
LM End	1.08	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38988_71142.jpg



Inside pipe at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Paddy Creek	Right	1.41	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.32	Rating **	A/W	Issue No.	20
LM End	1.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094351 °	38.094351 °
				-121.150962 °	-121.150962 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38987 DS_ID:23867 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.33)]. FS Date: 6/19/2014					

Photo 1 of 3 : UCIP_FA_2017_38987_71139.jpg



Pipe, headwall, flapgate, and grouted spillway on WS toe.

LM Start	1.32	Rating **	A/W	Issue No.	20 (cont)
LM End	1.32	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38987_71138.jpg



Pipe and headwall on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Paddy Creek	Right	1.41	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.32	Rating **	A/W	Issue No.	20 (cont)	
LM End	1.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.094351 °	38.094351 °	
				-121.150962 °	-121.150962 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38987						
DS_ID:23867						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.33)].						
FS Date: 6/19/2014						

Photo 3 of 3 : UCIP_FA_2017_38987_71137.jpg



Pipe and headwall on LS toe.

LM Start	1.34	Rating **	A/W	Issue No.	21
LM End	1.34	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094311 °	38.094311 °
				-121.150715 °	-121.150715 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51721 DS_ID:23868 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 04/28/2017 Crossing has been downgraded from Non-Urgent to No Action Needed, since sediment buildup is only minimal. (K. Fazel - UCIP)06/19/2014 Some sediment buildup in pipe at LS toe. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.35)]. FS Date: 6/19/2014					

Photo 1 of 3 : UCIP_FA_2017_51721_71134.jpg



Pipe, flapgate, and grouted spillway on WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Paddy Creek	Right	1.41	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.34	Rating **	A/W	Issue No.	21 (cont)	
LM End	1.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.094311 °	38.094311 °	
				-121.150715 °	-121.150715 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51721 DS_ID:23868 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 04/28/2017 Crossing has been downgraded from Non-Urgent to No Action Needed, since sediment buildup is only minimal. (K. Fazel - UCIP)06/19/2014 Some sediment buildup in pipe at LS toe. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.35)]. FS Date: 6/19/2014						

LM Start	1.34	Rating **	A/W	Issue No.	21 (cont)
LM End	1.34	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_51721_71133.jpg



Pipe on LS toe.

Photo 3 of 3 : UCIP_FA_2017_51721_71133.jpg



Pipe on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.16	Rating **	A/W	Issue No.	207
LM End	0.16	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.097164 °	38.097164 °
				-121.169289 °	-121.169289 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38566					
DS_ID:23880					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.16)].					
FS Date: 6/11/2014					

LM Start	0.16	Rating **	A/W	Issue No.	207 (cont)
LM End	0.16	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_38566_70656.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP_FA_2017_38566_70655.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.16	Rating **	A/W	Issue No.	207 (cont)	
LM End	0.16	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.097164 °	38.097164 °	
				-121.169289 °	-121.169289 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38566 DS_ID:23880 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.16)]. FS Date: 6/11/2014						

Photo 3 of 3 : UCIP_FA_2017_38566_70654.jpg



Headwall at LS toe.

LM Start	0.50	Rating **	A/W	Issue No.	209
LM End	0.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.101930 °	38.101930 °
				-121.168424 °	-121.168424 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38565 DS_ID:23882 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.50)]. FS Date: 6/12/2014 7:16:00 AM					

Photo 1 of 3 : UCIP_FA_2017_38565_70651.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.50	Rating **	A/W	Issue No.	209 (cont)	
LM End	0.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.101930 °		38.101930 °
				-121.168424 °		-121.168424 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38565 DS_ID:23882 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.50)]. FS Date: 6/12/2014 7:16:00 AM						

Photo 2 of 3 : UCIP_FA_2017_38565_70650.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	0.50	Rating **	A/W	Issue No.	209 (cont)
LM End	0.50	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38565_70649.jpg



Headwall and flapgate on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.56	Rating **	M	Issue No.	210 (cont)	
LM End	0.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.102509 °	38.102509 °	
				-121.167694 °	-121.167694 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38561						
DS_ID:23883						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe filled in with soil on the LS toe and appears to be temporarily abandoned.						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS).						
[Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.55)].						
FS Date: 6/12/2014						

Photo 3 of 3 : UCIP_FA_2017_38561_70628.jpg



Headwall at LS toe has been filled in with soil.

LM Start	0.72	Rating **	M	Issue No.	41
LM End	0.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.104229 °	38.105623 °
				-121.166258 °	-121.166268 °
DWR ID	DWR_NA0017_11_f_2017_41				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.06	Rating **	A/W	Issue No.	212
LM End	1.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.109117 °	38.109117 °
				-121.165940 °	-121.165940 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38559					
DS_ID:23885					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Slide gate on the landside (LS) end. Cobble grouted spillway. Cobble grouted intake on the LS. [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.07)].					
FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2017_38559_70621.jpg



Headwall and slidegate on LS toe.

LM Start	1.06	Rating **	A/W	Issue No.	212 (cont)
LM End	1.06	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38559_70620.jpg



Headwall and slidegate on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.06	Rating **	A/W	Issue No.	212 (cont)	
LM End	1.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.109117 °	38.109117 °	
				-121.165940 °	-121.165940 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38559						
DS_ID:23885						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Slide gate on the landside (LS) end. Cobble grouted spillway. Cobble grouted intake on the LS. [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.07)].						
FS Date: 6/12/2014						

Photo 3 of 3 : UCIP_FA_2017_38559_70623.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	1.14	Rating **	A/W	Issue No.	213
LM End	1.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.109641 °	38.109641 °
				-121.164676 °	-121.164676 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38558 DS_ID:23870 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Slide gate on the landside (LS) end. Two corrugated metal cutoff walls. Cobble grouted spillway. Cobble grouted intake on the LS. [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.15)]. FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2017_38558_70618.jpg



Headwall and slidegate on LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.50	Rating **	M	Issue No.	214
LM End	1.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111824 °	38.111824 °
				-121.160037 °	-121.160037 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:38557
DS_ID:23871
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Slidegate may be rusted shut or does not function. Heavy sediment buildup in pipe. Lid on CMP riser needs repair.
FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Slide gate in 48-inch corrugated metal riser unit on the waterside (WS) slope. Concrete U-shaped headwall on both ends. Flap gate on the WS end. Cobble grouted spillway. Cobble grouted intake on the landside (LS).
[Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.51)].
FS Date: 6/12/2014

LM Start	1.50	Rating **	M	Issue No.	214 (cont)
LM End	1.50	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_38557_70613.jpg



Headwall at LS toe.

Photo 2 of 3 : UCIP_FA_2017_38557_70612.jpg



Slidegate inside CMP riser on WS shoulder. Lid needs repair.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.50	Rating **	M	Issue No.	214 (cont)	
LM End	1.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.111824 °	38.111824 °	
				-121.160037 °	-121.160037 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38557						
DS_ID:23871						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Slidegate may be rusted shut or does not function.						
Heavy sediment buildup in pipe. Lid on CMP riser needs repair.						
FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe						
through the levee, 7 feet below the crown. Slide gate in 48-inch						
corrugated metal riser unit on the waterside (WS) slope. Concrete U-						
shaped headwall on both ends. Flap gate on the WS end. Cobble						
grouted spillway. Cobble grouted intake on the landside (LS).						
[Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin						
O&M Manual 612.2, 1967, (HLM 1.51)].						
FS Date: 6/12/2014						

Photo 3 of 3 : UCIP_FA_2017_38557_70611.jpg



Headwall at LS toe.

LM Start	1.50	Rating **	M	Issue No.	215
LM End	1.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111830 °	38.111830 °
				-121.160019 °	-121.160019 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38556 DS_ID:23897 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slidegate not functional or rusted in place. No lid on CMP riser at WS slope. FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Slide gate in 48-inch corrugated metal riser unit on the waterside (WS) slope. Concrete U- shaped headwall on both ends. Flap gate on the WS end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.51)]. FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2017_38556_70608.jpg



Slidegate in CMP riser on WS shoulder. No lid and gateavle does not work.

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

**Flood Control Project Maintenance
Levee Inspections**

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.50	Rating **	M	Issue No.	215 (cont)
LM End	1.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111830 °	38.111830 °
				-121.160019 °	-121.160019 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:38556
DS_ID:23897
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Slidegate not functional or rusted in place. No lid on CMP riser at WS slope.
FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Slide gate in 48-inch corrugated metal riser unit on the waterside (WS) slope. Concrete U-shaped headwall on both ends. Flap gate on the WS end. Cobble grouted spillway. Cobble grouted intake on the landside (LS).
[Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.51)].
FS Date: 6/12/2014

LM Start	1.50	Rating **	M	Issue No.	215 (cont)
LM End	1.50	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38556_70607.jpg



Headwall at LS toe.

Photo 3 of 3 : UCIP_FA_2017_38556_70606.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.81	Rating **	A/W	Issue No.	216
LM End	1.81	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.114551 °	38.114551 °
				-121.156224 °	-121.156224 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38555 DS_ID:23872 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.82)]. FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2017_38555_70603.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	1.81	Rating **	A/W	Issue No.	216 (cont)
LM End	1.81	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38555_70602.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.81	Rating **	A/W	Issue No.	216 (cont)	
LM End	1.81	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.114551 °		38.114551 °
				-121.156224 °		-121.156224 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38555 DS_ID:23872 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.82)]. FS Date: 6/12/2014						

Photo 3 of 3 : UCIP_FA_2017_38555_70601.jpg



Headwall at LS toe.

LM Start	1.98	Rating **	A	Issue No.	40
LM End	1.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.116630 °	38.116630 °
				-121.154661 °	-121.154661 °
DWR ID	DWR_NA0017_11_f_2017_40				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Acceptable vegetation.					

Photo 1 of 1 : FA_2017_NA0017_155_40_20171016_00163.jpg



View of the waterside slope of the levee. Fall 2017

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.04	Rating **	A/W	Issue No.	218	
LM End	2.04	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.117176 °		38.117176 °
				-121.154019 °		-121.154019 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38552						
DS_ID:23874						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.05)].						
FS Date: 6/12/2014						

Photo 1 of 3 : UCIP_FA_2017_38552_70590.jpg



Headwall at LS toe.

LM Start	2.04	Rating **	A/W	Issue No.	218 (cont)
LM End	2.04	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38552_70589.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.04	Rating **	A/W	Issue No.	218 (cont)
LM End	2.04	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.117176 °	38.117176 °
				-121.154019 °	-121.154019 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38552 DS_ID:23874 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.05)]. FS Date: 6/12/2014					

Photo 3 of 3 : UCIP_FA_2017_38552_70588.jpg



Headwall and flapgate on WS slope.

LM Start	2.12	Rating **	A/W	Issue No.	219
LM End	2.12	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.117580 °	38.117580 °
				-121.152490 °	-121.152490 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38551					
DS_ID:23875					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Flap gate on the waterside (WS) end. Drop inlet with grate at the landside (LS) toe. Spillway cobble grouted. [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.14)].					
FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2017_38551_70586.jpg



Grouted outlet showing pipe and flapgate on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.12	Rating **	A/W	Issue No.	219 (cont)	
LM End	2.12	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.117580 °		38.117580 °
				-121.152490 °		-121.152490 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38551						
DS_ID:23875						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Flap gate on the waterside (WS) end. Drop inlet with grate at the landside (LS) toe. Spillway cobble grouted. [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.14)].						
FS Date: 6/12/2014						

Photo 2 of 3 : UCIP_FA_2017_38551_70585.jpg



Grouted outlet showing pipe and flapgate on WS slope.

LM Start	2.12	Rating **	A/W	Issue No.	219 (cont)
LM End	2.12	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38551_70584.jpg



Grate over drop-inlet at LS toe next to T-post.

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

**Flood Control Project Maintenance
Levee Inspections**

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.20	Rating **	M	Issue No.	220
LM End	2.20	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.117920 °	38.117920 °
				-121.151120 °	-121.151120 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38550 DS_ID:23876 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete inlet at LS of East Kettleman road is damaged...may or may not be a hazard. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on the waterside (WS) end. Flap gate on the WS end. Cobble grouted spillway. 36-inch concrete catch basin on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.22)]. FS Date: 6/12/2014					

LM Start	2.20	Rating **	M	Issue No.	220 (cont)
LM End	2.20	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_38550_70583.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP_FA_2017_38550_70582.jpg



Concrete drop-inlet on North side of East Kettleman road damaged.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.20	Rating **	M	Issue No.	220 (cont)
LM End	2.20	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.117920 °	38.117920 °
				-121.151120 °	-121.151120 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38550 DS_ID:23876 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete inlet at LS of East Kettleman road is damaged...may or may not be a hazard. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on the waterside (WS) end. Flap gate on the WS end. Cobble grouted spillway. 36-inch concrete catch basin on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.22)]. FS Date: 6/12/2014					

Photo 3 of 3 : UCIP_FA_2017_38550_70581.jpg



Concrete drop-inlet on North side of East Kettleman road damaged.

LM Start	2.22	Rating **	A/W	Issue No.	223
LM End	2.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.118083 °	38.118083 °
				-121.150782 °	-121.150782 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38548					
DS_ID:23878					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.24)].					
FS Date: 6/11/2014					

Photo 1 of 3 : UCIP_FA_2017_38548_70576.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.22	Rating **	A/W	Issue No.	223 (cont)	
LM End	2.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.118083 °	38.118083 °	
				-121.150782 °	-121.150782 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38548 DS_ID:23878 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.24)]. FS Date: 6/11/2014						

LM Start	2.22	Rating **	A/W	Issue No.	223 (cont)
LM End	2.22	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38548_70575.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP_FA_2017_38548_70574.jpg



Inside pipe at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.43	Rating **	A/W	Issue No.	224
LM End	2.43	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.119587 °	38.119587 °
				-121.147961 °	-121.147961 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38546					
DS_ID:23886					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.44)].					
FS Date: 6/11/2014					

LM Start	2.43	Rating **	A/W	Issue No.	224 (cont)
LM End	2.43	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_38546_70571.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP_FA_2017_38546_70570.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.43	Rating **	A/W	Issue No.	224 (cont)	
LM End	2.43	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.119587 °	38.119587 °	
				-121.147961 °	-121.147961 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38546 DS_ID:23886 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.44)]. FS Date: 6/11/2014						

Photo 3 of 3 : UCIP_FA_2017_38546_70569.jpg



Headwall at LS toe.

LM Start	2.46	Rating **	A/W	Issue No.	225
LM End	2.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.120062 °	38.120062 °
				-121.147791 °	-121.147791 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38545 DS_ID:23887 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.48)]. FS Date: 6/11/2014					

Photo 1 of 3 : UCIP_FA_2017_38545_70566.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.46	Rating **	A/W	Issue No.	225 (cont)
LM End	2.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.120062 °	38.120062 °
				-121.147791 °	-121.147791 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:38545
DS_ID:23887
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS).
[Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.48)].
FS Date: 6/11/2014

LM Start	2.46	Rating **	A/W	Issue No.	225 (cont)
LM End	2.46	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38545_70565.jpg



Headwall at LS toe.

Photo 3 of 3 : UCIP_FA_2017_38545_70564.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.57	Rating **	A/W	Issue No.	226
LM End	2.57	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.121460 °	38.121460 °
				-121.147020 °	-121.147020 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38544 DS_ID:23888 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.58)]. FS Date: 6/11/2014					

Photo 1 of 3 : UCIP_FA_2017_38544_70561.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	2.57	Rating **	A/W	Issue No.	226 (cont)
LM End	2.57	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38544_70560.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.57	Rating **	A/W	Issue No.	226 (cont)
LM End	2.57	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.121460 °	38.121460 °
				-121.147020 °	-121.147020 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38544 DS_ID:23888 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.58)]. FS Date: 6/11/2014					

Photo 3 of 3 : UCIP_FA_2017_38544_70559.jpg



Headwall at LS toe.

LM Start	2.71	Rating **	A/W	Issue No.	228
LM End	2.71	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.122345 °	38.122345 °
				-121.144949 °	-121.144949 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38542 DS_ID:23890 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). (Positive closure device installed on intake end under Permit No. 17426, 2003 - Western Dairy Design Associates, Inc.). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.73)]. FS Date: 6/11/2014					

Photo 1 of 3 : UCIP_FA_2017_38542_70554.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.71	Rating **	A/W	Issue No.	228 (cont)
LM End	2.71	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.122345 °	38.122345 °
				-121.144949 °	-121.144949 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38542 DS_ID:23890 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). (Positive closure device installed on intake end under Permit No. 17426, 2003 - Western Dairy Design Associates, Inc.). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.73)]. FS Date: 6/11/2014					

LM Start	2.71	Rating **	A/W	Issue No.	228 (cont)
LM End	2.71	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38542_70553.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP_FA_2017_38542_70552.jpg



Headwall and flapgate on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.86	Rating **	A/W	Issue No.	229
LM End	2.86	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.124516 °	38.124516 °
				-121.144331 °	-121.144331 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:38541
DS_ID:23891
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.88)].
FS Date: 6/11/2014

LM Start	2.86	Rating **	A/W	Issue No.	229 (cont)
LM End	2.86	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_38541_70550.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP_FA_2017_38541_70549.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.86	Rating **	A/W	Issue No.	229 (cont)
LM End	2.86	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.124516 °	38.124516 °
				-121.144331 °	-121.144331 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38541 DS_ID:23891 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.88)]. FS Date: 6/11/2014					

Photo 3 of 3 : UCIP_FA_2017_38541_70548.jpg



Headwall at LS toe.

LM Start	2.90	Rating **	C	Issue No.	22
LM End	2.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.124959 °	38.124959 °
				-121.144223 °	-121.144223 °
DWR ID	DWR_NA0017_11_s_2016_22				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.93	Rating **	C	Issue No.	21
LM End	2.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.125450 °	38.125450 °
				-121.144251 °	-121.144251 °
DWR ID	DWR_NA0017_11_f_2016_21				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

LM Start	3.02	Rating **	M	Issue No.	230
LM End	3.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.126690 °	38.126690 °
				-121.144040 °	-121.144040 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38539 DS_ID:23892 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and if so should be done so properly. Verify if possible pipe filled with concrete. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). (Intake end plugged, and pipe filled with concrete under Permit No. 17426, 2003 - Western Dairy Design Associates, Inc.). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 3.04)]. FS Date: 6/11/2014					

Photo 1 of 3 : UCIP_FA_2017_38539_70546.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	3.02	Rating **	M	Issue No.	230 (cont)
LM End	3.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.126690 °	38.126690 °
				-121.144040 °	-121.144040 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:38539
DS_ID:23892
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pipe abandoned and if so should be done so properly. Verify if possible pipe filled with concrete.
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). (Intake end plugged, and pipe filled with concrete under Permit No. 17426, 2003 - Western Dairy Design Associates, Inc.). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 3.04)].
FS Date: 6/11/2014

LM Start	3.02	Rating **	M	Issue No.	230 (cont)
LM End	3.02	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38539_70545.jpg



Headwall and flapgate on WS slope.

Photo 3 of 3 : UCIP_FA_2017_38539_70544.jpg



LS filled in with concrete per notes.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	3.13	Rating **	A/W	Issue No.	231
LM End	3.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.127210°	38.127210°
				-121.142099°	-121.142099°
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38538					
DS_ID:23893					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe					
through the levee, 4.6 feet below the crown. Flap gate on the waterside					
(WS) end. [Additional Reference(s): DWR Levee Log, 1978. USACE					
San Joaquin O&M Manual 612.2, 1967, (HLM 3.15)].					
FS Date: 6/11/2014					

LM Start	3.13	Rating **	A/W	Issue No.	231 (cont)
LM End	3.13	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_38538_70541.jpg



Headwall at LS toe.

Photo 2 of 3 : UCIP_FA_2017_38538_70540.jpg



Headwall and flapgate on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	3.13	Rating **	A/W	Issue No.	231 (cont)	
LM End	3.13	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.127210 °	38.127210 °	
				-121.142099 °	-121.142099 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38538 DS_ID:23893 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.6 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 3.15)]. FS Date: 6/11/2014						

Photo 3 of 3 : UCIP_FA_2017_38538_70539.jpg



Headwall at LS toe.

LM Start	3.35	Rating **	C	Issue No.	20
LM End	3.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.129353 °	38.129353 °
				-121.139408 °	-121.139408 °
DWR ID	DWR_NA0017_11_f_2016_20				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	3.45	Rating **	A/W	Issue No.	233
LM End	3.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.130683 °	38.130683 °
				-121.139092 °	-121.139092 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38536 DS_ID:23895 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 3.47)]. FS Date: 6/11/2014					

Photo 1 of 3 : UCIP_FA_2017_38536_70534.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	3.45	Rating **	A/W	Issue No.	233 (cont)
LM End	3.45	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38536_70533.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	3.45	Rating **	A/W	Issue No.	233 (cont)
LM End	3.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.130683 °	38.130683 °
				-121.139092 °	-121.139092 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38536 DS_ID:23895 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 3.47)]. FS Date: 6/11/2014					

Photo 3 of 3 : UCIP_FA_2017_38536_70532.jpg



Headwall at LS toe.

LM Start	3.53	Rating **	A/W	Issue No.	234
LM End	3.53	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.131754 °	38.131754 °
				-121.138824 °	-121.138824 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38535 DS_ID:23896 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 3.55)]. FS Date: 6/11/2014					

Photo 1 of 3 : UCIP_FA_2017_38535_70529.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/12/2017 10/12/2017	Pavel Kazi

LM Start	3.53	Rating **	A/W	Issue No.	234 (cont)	
LM End	3.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.131754 °	38.131754 °	
				-121.138824 °	-121.138824 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38535 DS_ID:23896 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 3.55)]. FS Date: 6/11/2014						

LM Start	3.53	Rating **	A/W	Issue No.	234 (cont)
LM End	3.53	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38535_70528.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP_FA_2017_38535_70527.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.03	Rating **	A	Issue No.	41
LM End	0.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.095462 °	38.095462 °
				-121.168748 °	-121.168748 °
DWR ID	DWR_NA0017_12_f_2017_41				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Acceptable vegetation.					

Photo 1 of 1 : FA_2017_NA0017_156_41_20171016_00142.jpg



View of the waterside slope of the levee. Fall 2017

LM Start	0.14	Rating **	M	Issue No.	114
LM End	0.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.097104 °	38.097104 °
				-121.168757 °	-121.168757 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40788 DS_ID:23925 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Gate valve rusted in place. No lid or cover on Standpipe on WS slope. FIELD_STRUCT_DESC: 1 of 2: 42-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Slide gate in a 56-inch corrugated metal riser unit on the waterside (WS) slope. Flap gate on the WS end. Concrete headwall on both ends. [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.14) 36-inch pipe listed]. FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2017_40788_70672.jpg



Slidegate in CMP riser on WS slope. No lid and gate rusted in place.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.14	Rating **	M	Issue No.	114 (cont)	
LM End	0.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.097104 °	38.097104 °	
				-121.168757 °	-121.168757 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40788 DS_ID:23925 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Gate valve rusted in place. No lid or cover on Standpipe on WS slope. FIELD_STRUCT_DESC: 1 of 2: 42-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Slide gate in a 56-inch corrugated metal riser unit on the waterside (WS) slope. Flap gate on the WS end. Concrete headwall on both ends. [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.14) 36-inch pipe listed]. FS Date: 6/12/2014						

Photo 2 of 3 : UCIP_FA_2017_40788_70671.jpg



Headwall on LS toe.

LM Start	0.14	Rating **	M	Issue No.	114 (cont)
LM End	0.14	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_40788_70670.jpg



Headwall and flapgate on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.15	Rating **	M	Issue No.	115	
LM End	0.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.097126 °	38.097126 °	
				-121.168760 °	-121.168760 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38569						
DS_ID:23930						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No lid on riser and slide gate actuator rusted in place.						
FIELD_STRUCT_DESC: 2 of 2: 42-inch corrugated metal drainage pipe						
through the levee, 7 feet below the crown. Slide gate in 56-inch						
corrugated metal riser unit on the waterside (WS) slope. Flap gate on						
the WS end. [Additional Reference(s): DWR Levee Log, 1978. USACE						
San Joaquin O&M Manual 612.2, 1967, (HLM 0.14) 36-inch pipe listed].						
FS Date: 6/12/2014						

Photo 1 of 3 : UCIP_FA_2017_38569_70669.jpg



Slide gate in CMP riser on WS slope. No lid on riser and gate rusted in place.

LM Start	0.15	Rating **	M	Issue No.	115 (cont)
LM End	0.15	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38569_70668.jpg



Headwall at LS toe not accessible

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.15	Rating **	M	Issue No.	115 (cont)	
LM End	0.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.097126 °	38.097126 °	
				-121.168760 °	-121.168760 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38569						
DS_ID:23930						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No lid on riser and slide gate actuator rusted in place.						
FIELD_STRUCT_DESC: 2 of 2: 42-inch corrugated metal drainage pipe						
through the levee, 7 feet below the crown. Slide gate in 56-inch						
corrugated metal riser unit on the waterside (WS) slope. Flap gate on						
the WS end. [Additional Reference(s): DWR Levee Log, 1978. USACE						
San Joaquin O&M Manual 612.2, 1967, (HLM 0.14) 36-inch pipe listed].						
FS Date: 6/12/2014						

Photo 3 of 3 : UCIP_FA_2017_38569_70667.jpg



Headwall and flapgate on WS slope.

LM Start	0.40	Rating **	A/W	Issue No.	116
LM End	0.40	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.100813 °	38.100813 °
				-121.168455 °	-121.168455 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38573 DS_ID:23900 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.40)]. FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2017_38573_70675.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.40	Rating **	A/W	Issue No.	116 (cont)	
LM End	0.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.100813 °	38.100813 °	
				-121.168455 °	-121.168455 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38573 DS_ID:23900 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.40)]. FS Date: 6/12/2014						

Photo 2 of 3 : UCIP_FA_2017_38573_70674.jpg



Headwall at LS toe.

LM Start	0.40	Rating **	A/W	Issue No.	116 (cont)
LM End	0.40	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38573_70673.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.48	Rating **	A/W	Issue No.	117
LM End	0.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.101868 °	38.101868 °
				-121.167847 °	-121.167847 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38574 DS_ID:23901 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.48)]. FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2017_38574_70680.jpg



Headwall at LS toe.

LM Start	0.48	Rating **	A/W	Issue No.	117 (cont)
LM End	0.48	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38574_70679.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.48	Rating **	A/W	Issue No.	117 (cont)
LM End	0.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.101868 °	38.101868 °
				-121.167847 °	-121.167847 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38574 DS_ID:23901 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.48)]. FS Date: 6/12/2014					

Photo 3 of 3 : UCIP_FA_2017_38574_70678.jpg



Headwall and flapgate on WS slope.

LM Start	0.61	Rating **	A/W	Issue No.	118
LM End	0.61	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.102847 °	38.102847 °
				-121.165924 °	-121.165924 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38576 DS_ID:23902 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.61)]. FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2017_38576_70690.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.61	Rating **	A/W	Issue No.	118 (cont)	
LM End	0.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.102847 °	38.102847 °	
				-121.165924 °	-121.165924 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38576						
DS_ID:23902						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.61)].						
FS Date: 6/12/2014						

Photo 2 of 3 : UCIP_FA_2017_38576_70689.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	0.61	Rating **	A/W	Issue No.	118 (cont)
LM End	0.61	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38576_70688.jpg



Headwall and flapgate on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.77	Rating **	A/W	Issue No.	119
LM End	0.77	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.105162 °	38.105162 °
				-121.165764 °	-121.165764 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38577					
DS_ID:23903					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.77)].					
FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2017_38577_70695.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	0.77	Rating **	A/W	Issue No.	119 (cont)
LM End	0.77	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38577_70694.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.77	Rating **	A/W	Issue No.	119 (cont)	
LM End	0.77	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.105162 °	38.105162 °	
				-121.165764 °	-121.165764 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38577 DS_ID:23903 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.77)]. FS Date: 6/12/2014						

Photo 3 of 3 : UCIP_FA_2017_38577_70693.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	1.52	Rating **	A/W	Issue No.	120
LM End	1.52	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111918 °	38.111918 °
				-121.158694 °	-121.158694 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38624 DS_ID:23904 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 2 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.51)]. FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2017_38624_70787.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.52	Rating **	A/W	Issue No.	120 (cont)
LM End	1.52	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111918 °	38.111918 °
				-121.158694 °	-121.158694 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:38624
DS_ID:23904
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 2 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS).
[Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.51)].
FS Date: 6/12/2014

LM Start	1.52	Rating **	A/W	Issue No.	120 (cont)
LM End	1.52	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38624_70786.jpg



Headwall at LS toe.

Photo 3 of 3 : UCIP_FA_2017_38624_70785.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.90	Rating **	M	Issue No.	121
LM End	1.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.115827 °	38.115827 °
				-121.154602 °	-121.154602 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:38626
DS_ID:23905
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pipe is covered with soil at inlet on LS.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 3.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS).
[Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.90)].
FS Date: 6/12/2014

LM Start	1.90	Rating **	M	Issue No.	121 (cont)
LM End	1.90	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_38626_70795.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP_FA_2017_38626_70794.jpg



Headwall at LS toe buried in soil.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.90	Rating **	M	Issue No.	121 (cont)	
LM End	1.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.115827 °	38.115827 °	
				-121.154602 °	-121.154602 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38626 DS_ID:23905 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is covered with soil at inlet on LS. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 3.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.90)]. FS Date: 6/12/2014						

Photo 3 of 3 : UCIP_FA_2017_38626_70793.jpg



Headwall and flapgate on WS slope.

LM Start	1.96	Rating **	M	Issue No.	122
LM End	1.96	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.116650 °	38.116650 °
				-121.154118 °	-121.154118 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38627 DS_ID:23906 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe burried on both ends and appears to be abandoned. IF so, it should be done so properly. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.96)]. FS Date: 6/12/2014					

Photo 1 of 2 : UCIP_FA_2017_38627_70797.jpg



Headwall buried on WS shoulder.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.15	Rating **	A/W	Issue No.	124 (cont)	
LM End	2.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.117702 °	38.117702 °	
				-121.151033 °	-121.151033 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38629						
DS_ID:23908						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.15)].						
FS Date: 6/12/2014						

Photo 2 of 3 : UCIP_FA_2017_38629_70804.jpg



Headwall at LS toe.

LM Start	2.15	Rating **	A/W	Issue No.	124 (cont)
LM End	2.15	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38629_70803.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.16	Rating **	A/W	Issue No.	127
LM End	2.16	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.117713 °	38.117713 °
				-121.150764 °	-121.150764 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:38630
DS_ID:23909
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS).
[Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.16)].
FS Date: 6/19/2014

LM Start	2.16	Rating **	A/W	Issue No.	127 (cont)
LM End	2.16	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_38630_70810.jpg



Headwall at LS toe.

Photo 2 of 3 : UCIP_FA_2017_38630_70809.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.16	Rating **	A/W	Issue No.	127 (cont)	
LM End	2.16	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.117713 °	38.117713 °	
				-121.150764 °	-121.150764 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38630						
DS_ID:23909						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.16)].						
FS Date: 6/19/2014						

Photo 3 of 3 : UCIP_FA_2017_38630_70808.jpg



Headwall at LS toe.

LM Start	2.36	Rating **	A/W	Issue No.	128
LM End	2.36	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.118995 °	38.118995 °
				-121.147840 °	-121.147840 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38632 DS_ID:23911 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.36)]. FS Date: 6/19/2014					

Photo 1 of 3 : UCIP_FA_2017_38632_70815.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.36	Rating **	A/W	Issue No.	128 (cont)	
LM End	2.36	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.118995 °	38.118995 °	
				-121.147840 °	-121.147840 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38632 DS_ID:23911 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.36)]. FS Date: 6/19/2014						

Photo 2 of 3 : UCIP_FA_2017_38632_70814.jpg



Headwall at LS toe.

LM Start	2.36	Rating **	A/W	Issue No.	128 (cont)
LM End	2.36	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38632_70813.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.61	Rating **	M	Issue No.	129
LM End	2.61	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.121463 °	38.121463 °
				-121.145437 °	-121.145437 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:51630
DS_ID:23913
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 11/04/2016 Crossing has been downgraded from Urgent to Non-Urgent the silt buildup in front of the flapgate on the WS has been removed, however the sediment buildup inside the crossing still remains. Recommend clearing the sediment buildup inside the pipe and complete an internal integrity inspection to confirm crossing is in good condition. (O. Magana - DWR UCIP) 06/19/2014 Silt buildup on WS toe blocking flapgate operation. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Flap gate is located on the waterside (WS) end with a cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1977, 1978, 1987, 1990. USACE San Joaquin O&M Manual Unit 612, Part No. 2 - Bear Creel Project, Unit 7: HLM 7.19 – 16.77, Unit 8: HLM 7.55-16.48, Unit 9: HLM 0.10-1.52; Unit 10: HLM 0.03-1.35, Unit 11: HLM 0.16-3.55, Unit 12: HLM 0.14-3.91; Unit 13, HLM 0.03-1.18; Unit 14, HLM 0.02-1.17, 1967, (HLM 2.61)]
FS Date: 11/4/2016 8:33:00 AM

LM Start	2.61	Rating **	M	Issue No.	129 (cont)
LM End	2.61	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_51630_70822.jpg



Flapgate and grouted spillway on WS slope.

Photo 2 of 3 : UCIP_FA_2017_51630_70821.jpg



Inlet at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.61	Rating **	M	Issue No.	129 (cont)	
LM End	2.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.121463 °	38.121463 °	
				-121.145437 °	-121.145437 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51630 DS_ID:23913 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/04/2016 Crossing has been downgraded from Urgent to Non-Urgent the silt buildup in front of the flapgate on the WS has been removed, however the sediment buildup inside the crossing still remains. Recommend clearing the sediment buildup inside the pipe and complete an internal integrity inspection to confirm crossing is in good condition. (O. Magana - DWR UCIP) 06/19/2014 Silt buildup on WS toe blocking flapgate operation. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Flap gate is located on the waterside (WS) end with a cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1977, 1978, 1987, 1990. USACE San Joaquin O&M Manual Unit 612, Part No. 2 - Bear Creel Project, Unit 7: HLM 7.19 – 16.77, Unit 8: HLM 7.55-16.48, Unit 9: HLM 0.10-1.52; Unit 10: HLM 0.03-1.35, Unit 11: HLM 0.16-3.55, Unit 12: HLM 0.14-3.91; Unit 13, HLM 0.03-1.18; Unit 14, HLM 0.02-1.17, 1967, (HLM 2.61)] FS Date: 11/4/2016 8:33:00 AM						

Photo 3 of 3 : UCIP_FA_2017_51630_70820.jpg



Inlet at LS toe.

LM Start	2.63	Rating **	C	Issue No.	20
LM End	2.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.121695 °	38.121695 °
				-121.145079 °	-121.145079 °
DWR ID	DWR_NA0017_12_f_2016_20				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.72	Rating **	A/W	Issue No.	133
LM End	2.72	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.122733 °	38.122733 °
				-121.144351 °	-121.144351 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38636					
DS_ID:23915					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe					
through the levee, 2 feet below the crown. Flap gate on the waterside					
(WS) end. Cobble grouted spillway. Cobble grouted intake on the					
landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE					
San Joaquin O&M Manual 612.2, 1967, (HLM 2.72)].					
FS Date: 6/19/2014					

Photo 1 of 3 : UCIP_FA_2017_38636_70832.jpg



Headwall and pipe at LS shoulder.

LM Start	2.72	Rating **	A/W	Issue No.	133 (cont)
LM End	2.72	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38636_70831.jpg



Headwall and pipe at LS shoulder.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.72	Rating **	A/W	Issue No.	133 (cont)	
LM End	2.72	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.122733 °	38.122733 °	
				-121.144351 °	-121.144351 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38636						
DS_ID:23915						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe						
through the levee, 2 feet below the crown. Flap gate on the waterside						
(WS) end. Cobble grouted spillway. Cobble grouted intake on the						
landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE						
San Joaquin O&M Manual 612.2, 1967, (HLM 2.72)].						
FS Date: 6/19/2014						

Photo 3 of 3 : UCIP_FA_2017_38636_70830.jpg



Inside pipe on LS shoulder.

LM Start	2.91	Rating **	M	Issue No.	42
LM End	3.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.125572 °	38.126897 °
				-121.143937 °	-121.141981 °
DWR ID	DWR_NA0017_12_f_2017_42				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.92	Rating **	M	Issue No.	29
LM End	2.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.125654 °	38.125654 °
				-121.143946 °	-121.143946 °
DWR ID	DWR_NA0017_12_f_2016_29				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_156_29_20170921_00012.jpg



View of an erosion on the waterside shoulder of the levee. Fall 2016.

LM Start	2.94	Rating **	A/W	Issue No.	134
LM End	2.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.125894 °	38.125894 °
				-121.143970 °	-121.143970 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38638 DS_ID:23916 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 3 feet below the crown. Flap gate on the waterside (WS) end. Cobble grouted spillway. (Positive closure device installed on intake end under Permit No. 17426, 2003 - Western Dairy Design Associates, Inc.). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.95)]. FS Date: 6/19/2014					

Photo 1 of 3 : UCIP_FA_2017_38638_70838.jpg



Flapgate on CMP pipe at WS slope with grouted spillway.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	2.97	Rating **	M	Issue No.	32
LM End	2.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.126304 °	38.126304 °
				-121.143996 °	-121.143996 °
DWR ID	DWR_NA0017_12_f_2014_32				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_156_32_20170921_00015.jpg



View of a slope instability that was found on the waterside of the levee looking upstream.

LM Start	3.10	Rating **	M	Issue No.	43
LM End	3.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.127044 °	38.127044 °
				-121.141744 °	-121.141744 °
DWR ID	DWR_NA0017_12_f_2017_43				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_156_43_20171016_00143.jpg



View of erosions on the waterside shoulder of the levee looking upstream. Fall 2017

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	3.14	Rating **	M	Issue No.	31
LM End	3.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.127390 °	38.127390 °
				-121.141197 °	-121.141197 °
DWR ID	DWR_NA0017_12_s_2016_31				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : FA_2017_NA0017_156_31_20170921_00013.jpg



Updated picture of the erosion on the waterside shoulder of the levee.
Fall 2016

LM Start	3.14	Rating **	M	Issue No.	31 (cont)
LM End	3.14	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2017_NA0017_156_31_20170921_00014.jpg



View of an erosion on the waterside shoulder of the levee.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	3.23	Rating **	A/W	Issue No.	137
LM End	3.23	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.128162 °	38.128162 °
				-121.139922 °	-121.139922 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38643					
DS_ID:23917					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: No flapgate					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe					
through the levee, 4.5 feet below the crown. Cobble grouted spillway.					
Cobble grouted intake on the landside (LS). [Additional Reference(s):					
DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967,					
(HLM 3.25)].					
FS Date: 6/19/2014					

Photo 1 of 3 : UCIP_FA_2017_38643_70857.jpg



Inside pipe at WS slope.

LM Start	3.23	Rating **	A/W	Issue No.	137 (cont)
LM End	3.23	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38643_70856.jpg



Pipe and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	3.23	Rating **	A/W	Issue No.	137 (cont)	
LM End	3.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.128162 °	38.128162 °	
				-121.139922 °	-121.139922 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38643						
DS_ID:23917						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: No flapgate						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe						
through the levee, 4.5 feet below the crown. Cobble grouted spillway.						
Cobble grouted intake on the landside (LS). [Additional Reference(s):						
DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967,						
(HLM 3.25)].						
FS Date: 6/19/2014						

Photo 3 of 3 : UCIP_FA_2017_38643_70855.jpg



Ditch for inlet well off LS shoulder.

LM Start	3.45	Rating **	M	Issue No.	44
LM End	3.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.130982 °	38.130982 °
				-121.138597 °	-121.138597 °
DWR ID	DWR_NA0017_12_f_2017_44				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_156_44_20171016_00144.jpg



View of the erosion on the waterside shoulder of the levee. Fall 2017

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	3.46	Rating **	M	Issue No.	24
LM End	3.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.131140 °	38.131140 °
				-121.138541 °	-121.138541 °
DWR ID	DWR_NA0017_12_f_2012_24				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : FA_2017_NA0017_156_24_20171016_00145.jpg



Updated picture of the erosion on the waterside of the levee. Fall 2017

LM Start	3.46	Rating **	M	Issue No.	24 (cont)
LM End	3.46	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2017_NA0017_156_24_20170921_00009.jpg



View of the erosion on the waterside of the levee during spring 2016 inspection.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	3.51	Rating **	A/W	Issue No.	139
LM End	3.51	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.131725 °	38.131725 °
				-121.138422 °	-121.138422 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38646					
DS_ID:23920					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe					
through the levee, 4.5 feet below the crown. Cobble grouted spillway.					
[Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin					
O&M Manual 612.2, 1967, (HLM 3.52)].					
FS Date: 6/19/2014					

Photo 1 of 3 : UCIP_FA_2017_38646_70866.jpg



Pipe on WS slope.

LM Start	3.51	Rating **	A/W	Issue No.	139 (cont)
LM End	3.51	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38646_70865.jpg



Pipe on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	10/12/2017 10/12/2017	Pavel Kazi

LM Start	3.51	Rating **	A/W	Issue No.	139 (cont)	
LM End	3.51	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.131725 °	38.131725 °	
				-121.138422 °	-121.138422 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38646						
DS_ID:23920						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe						
through the levee, 4.5 feet below the crown. Cobble grouted spillway.						
[Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin						
O&M Manual 612.2, 1967, (HLM 3.52)].						
FS Date: 6/19/2014						

Photo 3 of 3 : UCIP_FA_2017_38646_70864.jpg



Inside pipe at WS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Middle Paddy Creek	Left	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.03	Rating **	A/W	Issue No.	12
LM End	0.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.109370 °	38.109370 °
				-121.159906 °	-121.159906 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38578					
DS_ID:23931					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe					
through the levee, 5.5 feet below the crown. Concrete U-shaped					
headwall on both ends. Flap gate on the waterside (WS) end.					
[Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin					
O&M Manual 612.2, 1967, (HLM 0.03)].					
FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2017_38578_70699.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	0.03	Rating **	A/W	Issue No.	12 (cont)
LM End	0.03	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38578_70698.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Middle Paddy Creek	Left	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.03	Rating **	A/W	Issue No.	12 (cont)	
LM End	0.03	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.109370 °	38.109370 °	
				-121.159906 °	-121.159906 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38578						
DS_ID:23931						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe						
through the levee, 5.5 feet below the crown. Concrete U-shaped						
headwall on both ends. Flap gate on the waterside (WS) end.						
[Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin						
O&M Manual 612.2, 1967, (HLM 0.03)].						
FS Date: 6/12/2014						

Photo 3 of 3 : UCIP_FA_2017_38578_70697.jpg



Headwall at LS toe.

LM Start	0.03	Rating **	A	Issue No.	11
LM End	0.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.109371 °	38.109371 °
				-121.159865 °	-121.159865 °
DWR ID	DWR_NA0017_13_f_2017_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Acceptable vegetation.					

Photo 1 of 1 : FA_2017_NA0017_157_11_20171016_00044.jpg



View of the waterside slope of the levee. Fall 2017

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Middle Paddy Creek	Left	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.55	Rating **	A/W	Issue No.	13
LM End	0.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.110925 °	38.110925 °
				-121.150976 °	-121.150976 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38581 DS_ID:23933 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.58)]. FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2017_38581_70709.jpg



Headwall at LS toe.

LM Start	0.55	Rating **	A/W	Issue No.	13 (cont)
LM End	0.55	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38581_70708.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Middle Paddy Creek	Left	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.55	Rating **	A/W	Issue No.	13 (cont)	
LM End	0.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.110925 °		38.110925 °
				-121.150976 °		-121.150976 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38581 DS_ID:23933 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.58)]. FS Date: 6/12/2014						

Photo 3 of 3 : UCIP_FA_2017_38581_70707.jpg



Headwall at LS toe.

LM Start	0.57	Rating **	A/W	Issue No.	16
LM End	0.57	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111127 °	38.111127 °
				-121.150747 °	-121.150747 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38582 DS_ID:23934 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.60)]. FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2017_38582_70714.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Flood Control Project Maintenance
Levee Inspections**

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Middle Paddy Creek	Left	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.57	Rating **	A/W	Issue No.	16 (cont)	
LM End	0.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.111127°		38.111127°
				-121.150747°		-121.150747°
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38582 DS_ID:23934 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.60)]. FS Date: 6/12/2014						

Photo 2 of 3 : UCIP_FA_2017_38582_70713.jpg



Headwall and flapgate on WS slope.

LM Start	0.57	Rating **	A/W	Issue No.	16 (cont)
LM End	0.57	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38582_70712.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Middle Paddy Creek	Left	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.86	Rating **	A/W	Issue No.	17
LM End	0.86	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.110146 °	38.110146 °
				-121.146704 °	-121.146704 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38583 DS_ID:23935 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.91)]. FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2017_38583_70719.jpg



Headwall at LS toe.

LM Start	0.86	Rating **	A/W	Issue No.	17 (cont)
LM End	0.86	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38583_70718.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Middle Paddy Creek	Left	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.86	Rating **	A/W	Issue No.	17 (cont)	
LM End	0.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.110146 °	38.110146 °	
				-121.146704 °	-121.146704 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38583 DS_ID:23935 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.91)]. FS Date: 6/12/2014						

Photo 3 of 3 : UCIP_FA_2017_38583_70717.jpg



Headwall and flapgate on WS slope.

LM Start	1.04	Rating **	A/W	Issue No.	18
LM End	1.04	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111146 °	38.111146 °
				-121.143696 °	-121.143696 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38585 DS_ID:23936 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.11)]. FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2017_38585_70729.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Middle Paddy Creek	Left	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.04	Rating **	A/W	Issue No.	18 (cont)	
LM End	1.04	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.111146 °	38.111146 °	
				-121.143696 °	-121.143696 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38585 DS_ID:23936 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.11)]. FS Date: 6/12/2014						

Photo 2 of 3 : UCIP_FA_2017_38585_70728.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	1.04	Rating **	A/W	Issue No.	18 (cont)
LM End	1.04	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38585_70727.jpg



Headwall at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Middle Paddy Creek	Left	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.12	Rating **	A/W	Issue No.	19
LM End	1.12	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111781 °	38.111781 °
				-121.142618 °	-121.142618 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:38586
DS_ID:23937
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.18)].
FS Date: 6/12/2014

LM Start	1.12	Rating **	A/W	Issue No.	19 (cont)
LM End	1.12	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_38586_70734.jpg



Headwall at LS toe.

Photo 2 of 3 : UCIP_FA_2017_38586_70733.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Middle Paddy Creek	Left	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.12	Rating **	A/W	Issue No.	19 (cont)
LM End	1.12	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111781 °	38.111781 °
				-121.142618 °	-121.142618 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38586 DS_ID:23937 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.18)]. FS Date: 6/12/2014					

Photo 3 of 3 : UCIP_FA_2017_38586_70732.jpg



Headwall and flapgate on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.02	Rating **	A/W	Issue No.	22
LM End	0.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.109687 °	38.109687 °
				-121.159895 °	-121.159895 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38623					
DS_ID:23939					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe					
through the levee, 3 feet below the crown. Flap gate on the waterside					
(WS) end. Cobble grouted spillway. Cobble grouted intake on the					
landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE					
San Joaquin O&M Manual 612.2, 1967, (HLM 0.02)].					
FS Date: 6/12/2014 1:05:17 PM					

Photo 1 of 3 : UCIP_FA_2017_38623_70782.jpg



Pipe at inlet on LS shoulder.

LM Start	0.02	Rating **	A/W	Issue No.	22 (cont)
LM End	0.02	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38623_70781.jpg



Pipe at inlet on LS shoulder.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.02	Rating **	A/W	Issue No.	22 (cont)	
LM End	0.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.109687 °		38.109687 °
				-121.159895 °		-121.159895 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38623						
DS_ID:23939						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 3 feet below the crown. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.02)].						
FS Date: 6/12/2014 1:05:17 PM						

Photo 3 of 3 : UCIP_FA_2017_38623_70780.jpg



Inside pipe at LS toe.

LM Start	0.02	Rating **	M	Issue No.	18
LM End	0.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.109670 °	38.111336 °
				-121.159889 °	-121.151009 °
DWR ID	DWR_NA0017_14_f_2017_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_158_18_20171023_00080.jpg



View of the vegetation on the waterside of the levee. Fall 2017

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.25	Rating **	M	Issue No.	23
LM End	0.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.109799 °	38.109799 °
				-121.155621 °	-121.155621 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38615					
DS_ID:23940					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Debris partially blocking closure of flapgate.					
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe					
through the levee, 3 feet below the crown. Flap gate on the waterside					
(WS) end. Cobble grouted spillway. [Additional Reference(s): DWR					
Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM					
0.25)].					
FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2017_38615_70778.jpg



Pipe, flapgate, and grouted spillway on WS slope.

LM Start	0.25	Rating **	M	Issue No.	23 (cont)
LM End	0.25	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_38615_70777.jpg



Pipe at inlet on LS shoulder.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.25	Rating **	M	Issue No.	23 (cont)	
LM End	0.25	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.109799 °	38.109799 °	
				-121.155621 °	-121.155621 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38615						
DS_ID:23940						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Debris partially blocking closure of flapgate.						
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe						
through the levee, 3 feet below the crown. Flap gate on the waterside						
(WS) end. Cobble grouted spillway. [Additional Reference(s): DWR						
Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM						
0.25)].						
FS Date: 6/12/2014						

Photo 3 of 3 : UCIP_FA_2017_38615_70776.jpg



Pipe at inlet on LS shoulder.

LM Start	0.37	Rating **	M	Issue No.	24
LM End	0.37	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.109855 °	38.109855 °
				-121.153390 °	-121.153390 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38614					
DS_ID:23941					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe buried on WS slope.					
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 1 foot below the crown. Flap gate on the waterside (WS) end. Cobble grouted spillway. [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.38)].					
FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2017_38614_70774.jpg



Pipe just visible on LS shoulder.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.37	Rating **	M	Issue No.	24 (cont)	
LM End	0.37	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.109855 °	38.109855 °	
				-121.153390 °	-121.153390 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38614						
DS_ID:23941						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe buried on WS slope.						
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 1 foot below the crown. Flap gate on the waterside (WS) end. Cobble grouted spillway. [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.38)].						
FS Date: 6/12/2014						

Photo 2 of 3 : UCIP_FA_2017_38614_70773.jpg



Pipe just visible on LS shoulder.

LM Start	0.37	Rating **	M	Issue No.	24 (cont)
LM End	0.37	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38614_70772.jpg



Pipe buried on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.39	Rating **	C	Issue No.	14
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.109866 °	38.109866 °
				-121.153096 °	-121.153096 °
DWR ID	DWR_NA0017_14_f_2015_14				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.46	Rating **	A/W	Issue No.	25
LM End	0.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.110456 °	38.110456 °
				-121.152083 °	-121.152083 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38613					
DS_ID:23942					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 2 feet below the crown. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.46)].					
FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2017_38613_70771.jpg



Flapgate, pipe, and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.46	Rating **	A/W	Issue No.	25 (cont)	
LM End	0.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.110456 °	38.110456 °	
				-121.152083 °	-121.152083 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38613						
DS_ID:23942						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 2 feet below the crown. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.46)].						
FS Date: 6/12/2014						

Photo 2 of 3 : UCIP_FA_2017_38613_70770.jpg



Inlet on LS shoulder.

LM Start	0.46	Rating **	A/W	Issue No.	25 (cont)
LM End	0.46	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_38613_70769.jpg



Inside pipe at LS shoulder.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.55	Rating **	U	Issue No.	26
LM End	0.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111372 °	38.111372 °
				-121.150985 °	-121.150985 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:51407
DS_ID:23943
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 11/04/2016 Same as previous inspection. Crossing remains Urgent crossing opened on both sides. (O. Magana - DWR UCIP)06/12/2014 Pipe inlet and outlet partially blocked by sediment. No flapgate. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 2.5 feet below the crown. Pipe is opened on both the waterside (WS) and landside (LS). Cobble grouted spillway is located on WS.[Additional Reference(s): DWR Levee Log, 1977, 1978, 1987, 1990. USACE San Joaquin O&M Manual Unit 612, Part No. 2 - Bear Creel Project, Unit 7: HLM 7.19 – 16.77, Unit 8: HLM 7.55-16.48, Unit 9: HLM 0.10-1.52; Unit 10: HLM 0.03-1.35, Unit 11: HLM 0.16-3.55, Unit 12: HLM 0.14-3.91; Unit 13, HLM 0.03-1.18; Unit 14, HLM 0.02-1.17, 1967, (HLM 0.55)]
FS Date: 11/4/2016 8:29:00 AM

LM Start	0.55	Rating **	U	Issue No.	26 (cont)
LM End	0.55	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_51407_70768.jpg



Pipe on LS toe.

Photo 2 of 3 : UCIP_FA_2017_51407_70767.jpg



Pipe on WS shoulder.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.55	Rating **	U	Issue No.	26 (cont)
LM End	0.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111372 °	38.111372 °
				-121.150985 °	-121.150985 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:51407
DS_ID:23943
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 11/04/2016 Same as previous inspection. Crossing remains Urgent crossing opened on both sides. (O. Magana - DWR UCIP)06/12/2014 Pipe inlet and outlet partially blocked by sediment. No flapgate. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 2.5 feet below the crown. Pipe is opened on both the waterside (WS) and landside (LS). Cobble grouted spillway is located on WS.[Additional Reference(s): DWR Levee Log, 1977, 1978, 1987, 1990. USACE San Joaquin O&M Manual Unit 612, Part No. 2 - Bear Creel Project, Unit 7: HLM 7.19 – 16.77, Unit 8: HLM 7.55-16.48, Unit 9: HLM 0.10-1.52; Unit 10: HLM 0.03-1.35, Unit 11: HLM 0.16-3.55, Unit 12: HLM 0.14-3.91; Unit 13, HLM 0.03-1.18; Unit 14, HLM 0.02-1.17, 1967, (HLM 0.55)]
FS Date: 11/4/2016 8:29:00 AM

Photo 3 of 3 : UCIP_FA_2017_51407_76739.jpg



Overview of levee crown at pipe crossing.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.56	Rating **	A/W	Issue No.	29	
LM End	0.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.111507 °	38.111507 °	
				-121.150745 °	-121.150745 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38610						
DS_ID:23944						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe under the road, 2.5 feet below the crown. Open on both ends. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.57)].						
FS Date: 6/12/2014						

LM Start	0.56	Rating **	A/W	Issue No.	29 (cont)
LM End	0.56	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_38610_70764.jpg



Pipe and grouted spillway on WS

Photo 2 of 3 : UCIP_FA_2017_38610_70763.jpg



Inside pipe at LS toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.64	Rating **	M	Issue No.	1 (cont)	
LM End	0.64	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.112050 °		38.112050 °
				-121.149524 °		-121.149524 °
DWR ID	DWR_NA0017_14_s_2012_1					
Comment Code						
A1 : Exterminate rodents and backfill and compact or grout burrows.						
Inspector Comment						

Photo 2 of 2 : FA_2017_NA0017_158_1_20170921_00002.jpg



View of rodent holes in the waterward berm looking downstream.

LM Start	0.75	Rating **	M	Issue No.	30
LM End	0.75	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111475 °	38.111475 °
				-121.148081 °	-121.148081 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41365					
DS_ID:23945					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe open on both ends. Levee appears abandoned.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe					
through the levee, 1 foot below the crown. Cobble grouted spillway.					
Cobble grouted intake on the landside (LS). Open on both ends.					
[Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin					
O&M Manual 612.2, 1967, (HLM 0.76)].					
FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2017_41365_70758.jpg



Pipe on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.75	Rating **	M	Issue No.	30 (cont)	
LM End	0.75	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.111475 °		38.111475 °
				-121.148081 °		-121.148081 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41365						
DS_ID:23945						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe open on both ends. Levee appears abandoned.						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe						
through the levee, 1 foot below the crown. Cobble grouted spillway.						
Cobble grouted intake on the landside (LS). Open on both ends.						
[Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin						
O&M Manual 612.2, 1967, (HLM 0.76)].						
FS Date: 6/12/2014						

LM Start	0.75	Rating **	M	Issue No.	30 (cont)
LM End	0.75	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_41365_70757.jpg



Pipe on WS slope.

Photo 3 of 3 : UCIP_FA_2017_41365_70756.jpg



Pipe on LS shoulder.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.94	Rating **	M	Issue No.	31
LM End	0.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.110801 °	38.110801 °
				-121.145174 °	-121.145174 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41791					
DS_ID:23946					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe buried on LS. Levee appears abandoned.					
FIELD_STRUCT_DESC: *ABANDONED* 12-inch corrugated metal drainage pipe through the levee, 2 feet below the crown. Open on both ends. Cobble grouted spillway. [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.95)].					
FS Date: 6/12/2014					

LM Start	0.94	Rating **	M	Issue No.	31 (cont)
LM End	0.94	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_41791_70755.jpg



Pipe and grouted spillway on WS slope.

Photo 2 of 3 : UCIP_FA_2017_41791_70754.jpg



Pipe and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.94	Rating **	M	Issue No.	31 (cont)	
LM End	0.94	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.110801 °	38.110801 °	
				-121.145174 °	-121.145174 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41791						
DS_ID:23946						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe buried on LS. Levee appears abandoned.						
FIELD_STRUCT_DESC: *ABANDONED* 12-inch corrugated metal drainage pipe through the levee, 2 feet below the crown. Open on both ends. Cobble grouted spillway. [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.95)].						
FS Date: 6/12/2014						

Photo 3 of 3 : UCIP_FA_2017_41791_70753.jpg



Inside pipe at WS slope.

LM Start	0.96	Rating **	M	Issue No.	20
LM End	0.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.110896 °	38.110896 °
				-121.144791 °	-121.144791 °
DWR ID	DWR_NA0017_14_f_2016_20				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_158_20_20170921_00006.jpg



View of the erosion on the waterside of the levee. Fall 2016.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	0.96	Rating **	M	Issue No.	32
LM End	0.96	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.110926 °	38.110926 °
				-121.144799 °	-121.144799 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41792					
DS_ID:23947					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe burried on LS shoulder and open on WS.					
Levee appears abandoned.					
FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal drainage pipe through the levee, 3 feet below the crown. Open on both ends. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.97)].					
FS Date: 6/12/2014					

Photo 1 of 2 : UCIP_FA_2017_41792_70752.jpg



Pipe and grouted spillway on WS slope.

LM Start	0.96	Rating **	M	Issue No.	32 (cont)
LM End	0.96	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_FA_2017_41792_70751.jpg



Pipe and grouted spillway on WS slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.11	Rating **	M	Issue No.	34
LM End	1.11	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.112125 °	38.112125 °
				-121.142568 °	-121.142568 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41793 DS_ID:23949 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned. Levee appears Abandoned. FIELD_STRUCT_DESC: *ABANDONED* 12-inch corrugated metal drainage pipe through the levee, 2.5 feet below the crown. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.12)]. FS Date: 6/12/2014					

LM Start	1.11	Rating **	M	Issue No.	34 (cont)
LM End	1.11	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_41793_70746.jpg



LS of levee at pipe. Pipe largely filled in with soil.

Photo 2 of 3 : UCIP_FA_2017_41793_70745.jpg



LS of levee at pipe. Pipe largely filled in with soil.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	10/12/2017 10/12/2017	Pavel Kazi

LM Start	1.16	Rating **	M	Issue No.	35 (cont)	
LM End	1.16	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.112296 °	38.112296 °	
				-121.141654 °	-121.141654 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41794						
DS_ID:23950						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe open on both ends. Levee appears abandoned.						
FIELD_STRUCT_DESC: 48-inch reinforced concrete drainage pipe						
through the levee, 5.5 feet below the crown. Cobble grouted spillway.						
Cobble grouted intake on the landside (LS). Open on both ends.						
[Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin						
O&M Manual 612.2, 1967, (HLM 1.17)].						
FS Date: 6/12/2014						

LM Start	1.16	Rating **	M	Issue No.	35 (cont)
LM End	1.16	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_41794_70741.jpg



Inside pipe.

Photo 3 of 3 : UCIP_FA_2017_41794_70740.jpg



Pipe at LS intake.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	0.00	Rating **	A/W	Issue No.	1155
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			0.000000 °	0.000000 °
				0.000000 °	0.000000 °
DWR ID	DWR_NA0017_15_s_2014_1155				
Comment Code					
Inspector Comment					
This is the Upper Calaveras river channel. No levee exists.					

Photo 1 of 1 : FA_2017_NA0017_159_1155_20170921_00140.jpg



View of the dam at the starting of the Mormon slough.

LM Start	0.26	Rating **	A/W	Issue No.	155
LM End	1.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.049780 °	38.043090 °
				-121.014681 °	-121.026200 °
DWR ID	DWR_NA0017_15_f_2017_155				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:83					
Site Designation:DWR_NA0017_15_s_2012_10					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:6/7/2017					
Notes: Channel incising is cutting near vertical slopes almost 20' high.					
Bank along site has between 30' to 10' remaining. This site is currently					
under contract for repair by FSRP.					

Photo 1 of 3 : LEVAL_FA_2017_83_1011.jpg



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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	0.26	Rating **	A/W	Issue No.	155 (cont)
LM End	1.06	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.049780 °	38.043090 °	
			-121.014681 °	-121.026200 °	
DWR ID	DWR_NA0017_15_f_2017_155				

Comment Code

Inspector Comment

Levee Evaluation Comments

Description:

Site ID No:83

Site Designation:DWR_NA0017_15_s_2012_10

Repair Type: Erosion

Rating:Area of Concern

Field Date:6/7/2017

Notes: Channel incising is cutting near vertical slopes almost 20' high. Bank along site has between 30' to 10' remaining. This site is currently under contract for repair by FSRP.

LM Start	0.26	Rating **	A/W	Issue No.	155 (cont)
LM End	1.06	Issue Type +	Ma	Location *	

Photo 2 of 3 : LEVAL_FA_2017_83_1012.jpg



Photo 3 of 3 : LEVAL_FA_2017_83_1021.jpg



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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	0.38	Rating **	A/W	Issue No.	7
LM End	1.29	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.045658 °	38.045658 °
				-121.023741 °	-121.023741 °
DWR ID	NA0017U15RM22.91				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change has been observed.					
09/12/2013: No significant change observed.					
08/22/2012: Site has been revisited. No significant change observed.					
09/02/2011: No significant change observed on site.					
11/02/2010: No significant change observed. The mile-long erosion continues to degrade the bank. There are a few trees along the mile-long stretch on the lower bank slope that are affected by the scarp. WS Levee Slope was changed to 2:1. As a result, normalized score increased from 62 to 65.					
08/05/2010: Recommended for waterside repair, per CLRO; "water velocity is a major factor for accelerating bank slope erosion."					
8/12/2009: Near-vertical bank erosion; degrading channel is incising the banks; recommend annual assessment and monitoring of critical erosion site, per CLRO CES Evaluation 2008 Report; district is monitoring site for change in condition; site was previously rated "U".					
2007: Visited site 02/06/2007; possible critical site. [2017 Site ID:NA0017U15RM22.91]					

LM Start	0.38	Rating **	A/W	Issue No.	7 (cont)
LM End	1.29	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : SJR2017_NA0017U15RM22.91_1.jpg



Looking at the site from the levee top.

Photo 2 of 4 : SJR2017_NA0017U15RM22.91_2.jpg



Close view of the erosion. Note dense vegetation and trees on site.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	0.38	Rating **	A/W	Issue No.	7 (cont)	
LM End	1.29	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			38.045658 °		38.045658 °
				-121.023741 °		-121.023741 °
DWR ID	NA0017U15RM22.91					
Comment Code						
Inspector Comment						
08/30/2017: No significant change observed.						
08/16/2016: No significant change observed.						
08/12/2015: No significant change observed.						
08/20/2014: No significant change has been observed.						
09/12/2013: No significant change observed.						
08/22/2012: Site has been revisited. No significant change observed.						
09/02/2011: No significant change observed on site.						
11/02/2010: No significant change observed. The mile-long erosion continues to degrade the bank. There are a few trees along the mile-long stretch on the lower bank slope that are affected by the scarp. WS Levee Slope was changed to 2:1. As a result, normalized score increased from 62 to 65.						
08/05/2010: Recommended for waterside repair, per CLRO; "water velocity is a major factor for accelerating bank slope erosion."						
8/12/2009: Near-vertical bank erosion; degrading channel is incising the banks; recommend annual assessment and monitoring of critical erosion site, per CLRO CES Evaluation 2008 Report; district is monitoring site for change in condition; site was previously rated "U".						
2007: Visited site 02/06/2007; possible critical site. [2017 Site ID:NA0017U15RM22.91]						

LM Start	0.38	Rating **	A/W	Issue No.	7 (cont)
LM End	1.29	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : SJR2017_NA0017U15RM22.91_3.jpg



Close view of the erosion.

Photo 4 of 4 : SJR2017_NA0017U15RM22.91_4.jpg



Looking upstream at the site.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	1.16	Rating **	M	Issue No.	1158 (cont)	
LM End	1.16	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.041907 °	38.041907 °	
				-121.027235 °	-121.027235 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:34877						
DS_ID:23199						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Deformed inlet opening. Needs cleaning and clearing on inlet opening on landside.						
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Grouted spillway on the waterside (WS) end. Open on both ends. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 1.18)].						
FS Date: 4/9/2014						

Photo 2 of 2 : UCIP_FA_2017_34877_62778.jpg



LS view: CM inlet pipe. Pipe opening obstructed with debris.

LM Start	1.23	Rating **	C	Issue No.	190
LM End	1.23	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.041093 °	38.041093 °
				-121.028036 °	-121.028036 °
DWR ID	DWR_NA0017_15_f_2016_190				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	1.45	Rating **	N	Issue No.	1128
LM End	1.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.040188 °	38.040188 °
				-121.031854 °	-121.031854 °
DWR ID	DWR_NA0017_15_s_2012_1128				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_159_1128_20170921_00139.jpg



View of a tree stump on the landside shoulder of the levee.

LM Start	1.46	Rating **	M	Issue No.	1159
LM End	1.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.040197 °	38.040197 °
				-121.032044 °	-121.032044 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40369 DS_ID:23200 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe needs cleaning and clearing on both pipe ends. FIELD_STRUCT_DESC: 18-inch drainage pipe of an unknown material through the levee, 6 feet below the crown. Grouted spillway on the waterside (WS) end. Electrical conduit through the levee. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 1.49)]. FS Date: 4/9/2014					

Photo 1 of 3 : UCIP_FA_2017_40369_62785.jpg



WS view: outlet CM pipe on levee slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	1.46	Rating **	M	Issue No.	1159 (cont)
LM End	1.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.040197°	38.040197°
				-121.032044°	-121.032044°
DWR ID					

Comment Code

Inspector Comment

FS_ID:40369
DS_ID:23200
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pipe needs cleaning and clearing on both pipe ends.
FIELD_STRUCT_DESC: 18-inch drainage pipe of an unknown material through the levee, 6 feet below the crown. Grouted spillway on the waterside (WS) end. Electrical conduit through the levee. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 1.49)].
FS Date: 4/9/2014

LM Start	1.46	Rating **	M	Issue No.	1159 (cont)
LM End	1.46	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_40369_62784.jpg



WS view: inside view of the outlet pipe. Needs cleaning and clearing.

Photo 3 of 3 : UCIP_FA_2017_40369_62783.jpg



LS view: buried inlet pipe. Needs cleaning and clearing.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	1.49	Rating **	M	Issue No.	995	
LM End	1.49	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.040202 °		38.040202 °
				-121.032659 °		-121.032659 °
DWR ID	DWR_NA0017_15_s_2012_995					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
The LMA was working on fixing the erosion site using an excavator during the spring 2016 inspection. The erosion repair was not completed spring 2017 inspection.						

Photo 1 of 1 : FA_2017_NA0017_159_995_20170921_00124.jpg



View of erosion of waterward levee slope looking upstream.

LM Start	1.78	Rating **	U	Issue No.	6
LM End	1.79	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.039110 °	38.039110 °
				-121.037840 °	-121.037840 °
DWR ID	NA0017U15RM22.01				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed. 08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed. 08/22/2012: Site is covered with dense vegetation. A scarp erosion is adjacent to a pocket erosion at the downstream. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U15RM22.01]					

Photo 1 of 4 : SJR2017_NA0017U15RM22.01_1.jpg



Front view of the erosion site from the left river bank.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	1.78	Rating **	U	Issue No.	6 (cont)	
LM End	1.79	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			38.039110 °	38.039110 °	
				-121.037840 °	-121.037840 °	
DWR ID	NA0017U15RM22.01					
Comment Code						
Inspector Comment						
08/30/2017: No significant change observed. 08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed. 08/22/2012: Site is covered with dense vegetation. A scarp erosion is adjacent to a pocket erosion at the downstream. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U15RM22.01]						

Photo 2 of 4 : SJR2017_NA0017U15RM22.01_2.jpg



Front view of the pocket erosion covered by dense vegetation.

LM Start	1.78	Rating **	U	Issue No.	6 (cont)
LM End	1.79	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : SJR2017_NA0017U15RM22.01_3.jpg



Close view of the pocket erosion.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	1.78	Rating **	U	Issue No.	6 (cont)	
LM End	1.79	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			38.039110 °		38.039110 °
				-121.037840 °		-121.037840 °
DWR ID	NA0017U15RM22.01					
Comment Code						
Inspector Comment						
08/30/2017: No significant change observed.						
08/16/2016: No significant change observed.						
08/12/2015: No significant change observed.						
08/20/2014: No significant change observed.						
09/12/2013: No significant change observed.						
08/22/2012: Site is covered with dense vegetation. A scarp erosion is adjacent to a pocket erosion at the downstream. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U15RM22.01]						

Photo 4 of 4 : SJR2017_NA0017U15RM22.01_4.jpg



Close view of the erosion.

LM Start	1.92	Rating **	C	Issue No.	120
LM End	1.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.037919 °	38.037919 °
				-121.039749 °	-121.039749 °
DWR ID	DWR_NA0017_15_f_2015_120				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
It was caused by runoff.					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	2.05	Rating **	M	Issue No.	18
LM End	2.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.036294 °	38.036294 °
				-121.041089 °	-121.041089 °
DWR ID	DWR_NA0017_15_s_2012_18				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : FA_2017_NA0017_159_18_20170921_00015.jpg



Updated picture of the slope instability at the waterside slope of the levee looking upstream.

LM Start	2.05	Rating **	M	Issue No.	18 (cont)
LM End	2.05	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2017_NA0017_159_18_20170921_00016.jpg



Slope instability was found on the waterside toe of the levee looking downstream.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	2.30	Rating **	M	Issue No.	159
LM End	2.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.033687 °	38.033687 °
				-121.044156 °	-121.044156 °
DWR ID	DWR_NA0017_15_f_2017_159				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_159_159_20171023_00433.jpg



View of a slope instability on the landside of the levee looking upstream.
Fall 2017

LM Start	2.35	Rating **	N	Issue No.	191
LM End	2.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.033208 °	38.033208 °
				-121.044796 °	-121.044796 °
DWR ID	DWR_NA0017_15_f_2016_191				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	2.48	Rating **	M	Issue No.	157
LM End	2.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.031829 °	38.031829 °	
			-121.046601 °	-121.046601 °	
DWR ID	DWR_NA0017_15_f_2017_157				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	3.50	Rating **	C	Issue No.	217
LM End	3.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.022139 °	38.022139 °	
			-121.060661 °	-121.060661 °	
DWR ID	DWR_NA0017_15_s_2016_217				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	3.55	Rating **	M	Issue No.	218
LM End	3.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.021701 °	38.021701 °	
			-121.061178 °	-121.061178 °	
DWR ID	DWR_NA0017_15_s_2016_218				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_159_218_20170921_00109.jpg



View of rodent holes on the waterside of the levee looking upstream.

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

**Flood Control Project Maintenance
Levee Inspections**

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	3.89	Rating **	M	Issue No.	44
LM End	3.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.017945°	38.017945°
				-121.065295°	-121.065295°
DWR ID	DWR_NA0017_15_f_2012_44				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : FA_2017_NA0017_159_44_20170921_00032.jpg



Updated picture of the slope instability on the waterside shoulder of the levee. Fall 2016

LM Start	3.89	Rating **	M	Issue No.	44 (cont)
LM End	3.89	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2017_NA0017_159_44_20170921_00033.jpg



Updated picture of the slope instability on the waterside slope of the levee looking upstream. This picture was taken during fall 2014 inspection.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	4.28	Rating **	U	Issue No.	124
LM End	4.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.013018 °	38.013018 °
				-121.067996 °	-121.067996 °
DWR ID	DWR_NA0017_15_s_2013_124				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Picture was taken from the other side of the levee.					

Photo 1 of 1 : FA_2017_NA0017_159_124_20170921_00073.jpg



An animal hole was found on the waterside slope of the levee. The picture was taken from the opposite side of the levee.

LM Start	4.51	Rating **	M	Issue No.	133
LM End	4.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.009753 °	38.009753 °
				-121.069559 °	-121.069559 °
DWR ID	DWR_NA0017_15_f_2015_133				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : FA_2017_NA0017_159_133_20170921_00075.jpg



Updated view of the erosion on the waterside shoulder during spring 2016 inspection.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	4.86	Rating **	U	Issue No.	242
LM End	4.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.005099 °	38.005099 °
				-121.071910 °	-121.071910 °
DWR ID	DWR_NA0017_15_s_2017_242				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_159_242_20170921_00119.jpg



View of an erosion on the waterside slope of the levee. The picture was taken from the opposite side of the levee. Spring 2017

LM Start	5.04	Rating **	M	Issue No.	1009
LM End	5.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.003021 °	38.003021 °
				-121.073658 °	-121.073658 °
DWR ID	DWR_NA0017_15_s_2012_1009				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_159_1009_20170921_00125.jpg



View of a slip in the waterward levee slope looking downstream.

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

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	5.43	Rating **	A/W	Issue No.	161
LM End	5.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.998297 °	37.998297 °
				-121.077821 °	-121.077821 °
DWR ID	DWR_NA0017_15_f_2017_161				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
This portion of the levee is non-project. Therefore, the rating was given A/W.					

Photo 1 of 1 : FA_2017_NA0017_159_161_20171023_00436.jpg



View of erosion on the waterside slope of the levee. Fall 2017

LM Start	5.46	Rating **	A/W	Issue No.	1165	
LM End	5.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.997990 °		37.997990 °
				-121.078092 °		-121.078092 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:34924 DS_ID:23308 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Inlet CM pipe riser on landside shoulder. Pipe not found on waterside. Dense vegetation on channel bank. May need inlet cleaning. FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe, 2 feet below the roadway. Concrete rubble splash apron on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1977. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 5.58)]. FS Date: 4/9/2014						

Photo 1 of 2 : UCIP_FA_2017_34924_62867.jpg



WS view: no pipe and structure found on waterside. Dense vegetation on channel bank.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	6.61	Rating **	A/W	Issue No.	79
LM End	6.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.984518 °	37.983260 °
				-121.090267 °	-121.092022 °
DWR ID	DWR_NA0017_15_s_2012_79				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Farmer tilling & driving onto levee, causing erosion.					

No Photos

LM Start	6.67	Rating **	A/W	Issue No.	140
LM End	6.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.983817 °	37.983817 °
				-121.091141 °	-121.091141 °
DWR ID	DWR_NA0017_15_f_2015_140				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
This portion of the levee is non-project. Therefore, the rating was given as A/W.					

Photo 1 of 2 : FA_2017_NA0017_159_140_20170921_00078.jpg



Updated picture of the rodent holes on the landside of the levee. Fall 2016

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	6.67	Rating **	A/W	Issue No.	140 (cont)	
LM End	6.67	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.983817 °		37.983817 °
				-121.091141 °		-121.091141 °
DWR ID	DWR_NA0017_15_f_2015_140					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
This portion of the levee is non-project. Therefore, the rating was given as A/W.						

Photo 2 of 2 : FA_2017_NA0017_159_140_20170921_00079.jpg



Rodent holes were found on the landside shoulder of the levee looking downstream.

LM Start	6.96	Rating **	M	Issue No.	115
LM End	7.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.981387 °	37.979749 °
				-121.095370 °	-121.099178 °
DWR ID	DWR_NA0017_15_s_2014_115				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trees branches were obstructing the access/patrol road.					

Photo 1 of 1 : FA_2017_NA0017_159_115_20170921_00070.jpg



Tree limbs were obstructing the visibility of the crown of the levee looking downstream.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	7.67	Rating **	A/W	Issue No.	162
LM End	7.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.976275 °	37.976275 °
				-121.106364 °	-121.106364 °
DWR ID	DWR_NA0017_15_f_2017_162				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
This portion of the levee is non-project. Therefore, the rating was given A/W.					

Photo 1 of 1 : FA_2017_NA0017_159_162_20171023_00437.jpg



View of slope instability on the waterside slope of the levee looking downstream. Fall 2017

LM Start	7.73	Rating **	M	Issue No.	84
LM End	7.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.975679 °	37.975679 °
				-121.107246 °	-121.107246 °
DWR ID	DWR_NA0017_15_f_2016_84				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent hole on the shoulder of the waterside of the levee. It might cut into the access road in future.					

Photo 1 of 1 : FA_2017_NA0017_159_84_20170921_00059.jpg



View of a rodent hole on the waterside of the levee looking downstream. Fall 2016

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	8.39	Rating **	A/W	Issue No.	146
LM End	8.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.969822 °	37.969822 °
				-121.116057 °	-121.116057 °
DWR ID	DWR_NA0017_15_f_2015_146				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
This portion of the levee is non-project. Therefore, the rating was given as A/W.					

Photo 1 of 1 : FA_2017_NA0017_159_146_20170921_00082.jpg



Erosion was found on the waterside of the levee looking downstream.

LM Start	8.39	Rating **	M	Issue No.	82	
LM End	8.39	Issue Type +	Ma	Location *		
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude		
				Start		End
Item	Vegetation & Obstructions			37.969776 °		37.969776 °
				-121.116070 °		-121.116070 °
DWR ID	DWR_NA0017_15_s_2017_82					
Comment Code						
Inspector Comment						

Photo 1 of 1 : FA_2017_NA0017_159_82_20170921_00057.jpg



View of arundo on the waterside toe of the levee.

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

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	8.43	Rating **	M	Issue No.	5
LM End	8.43	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.969711 °	37.969711 °
				-121.116739 °	-121.116739 °
DWR ID	NA0017U15RM14.49				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: The erosion was not visible due to dense vegetation at the site.					
08/12/2015: No significant change observed. More vegetation is observed at the site.					
08/20/2014: No significant change observed.					
09/12/2013: The erosion has been caused by runoff. [2017 Site ID:NA0017U15RM14.49]					

LM Start	8.43	Rating **	M	Issue No.	5 (cont)
LM End	8.43	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SJR2017_NA0017U15RM14.49_1.jpg



Looking down at the erosion site from the levee crest. Erosion was covered by dried vegetation.

Photo 2 of 3 : SJR2017_NA0017U15RM14.49_2.jpg



Close view of the erosion site covered by dense vegetation.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	8.43	Rating **	M	Issue No.	65 (cont)	
LM End	8.43	Issue Type +	Ma	Location *		
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.969699 °		37.969699 °
				-121.116796 °		-121.116796 °
DWR ID	DWR_NA0017_15_s_2017_65					
Comment Code						
Inspector Comment						

Photo 2 of 2 : FA_2017_NA0017_159_65_20170921_00048.jpg



View of the slope instability on the waterside of the levee looking downstream during spring 2014 inspection.

LM Start	8.46	Rating **	M	Issue No.	1175
LM End	8.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.969690 °	37.969690 °
				-121.117404 °	-121.117404 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40386 DS_ID:23227 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Distorted inlet pipe opening on landside. No pipe found on waterside. Dense vegetation and steep slope on waterside. FIELD_STRUCT_DESC: 18-inch CM pipe through the levee, 1.0 feet below the crown. O&M Manual SJR Assumed 999. FS Date: 4/10/2014					

Photo 1 of 3 : UCIP_FA_2017_40386_63765.jpg



WS view: no pipe or appurtenances found on waterside. Dense vegetation.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	8.46	Rating **	M	Issue No.	1175 (cont)
LM End	8.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.969690 °	37.969690 °
				-121.117404 °	-121.117404 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:40386
DS_ID:23227
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Distorted inlet pipe opening on landside. No pipe found on waterside. Dense vegetation and steep slope on waterside.
FIELD_STRUCT_DESC: 18-inch CM pipe through the levee, 1.0 feet below the crown. O&M Manual SJR Assumed 999.
FS Date: 4/10/2014

LM Start	8.46	Rating **	M	Issue No.	1175 (cont)
LM End	8.46	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_40386_63764.jpg



LS view: distorted CM outlet pipe on levee slope.

Photo 3 of 3 : UCIP_FA_2017_40386_63763.jpg



LS view: closer view of distorted CM outlet pipe on levee slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	8.69	Rating **	M	Issue No.	1176	
LM End	8.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.968500 °	37.968500 °	
				-121.121130 °	-121.121130 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40387						
DS_ID:23229						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Distorted pipe opening on landside. Inlet pipe needs clearing and cleaning.No pipe visible on waterside.						
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe and electrical conduit of an unknown material through the levee, 1 foot below the crown. Power pole on the landside (LS). Electrical conduit through the levee. Outlet of pipe rock revetted. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 8.88)].						
FS Date: 4/10/2014						

LM Start	8.69	Rating **	M	Issue No.	1176 (cont)
LM End	8.69	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2017_40387_62949.jpg



WS view: no pipe or appurtenances found. Steep levee slope.

Photo 2 of 2 : UCIP_FA_2017_40387_62948.jpg



LS view: distorted CM inlet pipe. Partially buried.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	8.81	Rating **	M	Issue No.	4
LM End	8.83	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.968060 °	37.968060 °
				-121.123299 °	-121.123299 °
DWR ID	NA0017U15RM13.87				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: Both ends of the erosion site are protected by riprap. [2017					
Site ID:NA0017U15RM13.87]					

LM Start	8.81	Rating **	M	Issue No.	4 (cont)
LM End	8.83	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : SJR2017_NA0017U15RM13.87_1.jpg



View of the site from left river bank.

Photo 2 of 4 : SJR2017_NA0017U15RM13.87_2.jpg



Close view of the erosion.

Photo 3 of 4 : SJR2017_NA0017U15RM13.87_3.jpg



Close view of the erosion.

LM Start	8.81	Rating **	M	Issue No.	4 (cont)
LM End	8.83	Issue Type +	Ma	Location *	WS

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	8.81	Rating **	M	Issue No.	4 (cont)	
LM End	8.83	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.968060 °	37.968060 °	
				-121.123299 °	-121.123299 °	
DWR ID	NA0017U15RM13.87					
Comment Code						
Inspector Comment						
08/30/2017: No significant change observed.						
08/16/2016: No significant change observed.						
08/12/2015: No significant change observed.						
08/20/2014: Both ends of the erosion site are protected by riprap. [2017						
Site ID:NA0017U15RM13.87]						

Photo 4 of 4 : SJR2017_NA0017U15RM13.87_4.jpg



Close view of the erosion.

LM Start	9.55	Rating **	M	Issue No.	1178
LM End	9.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.966327 °	37.966327 °
				-121.135980 °	-121.135980 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:34983					
DS_ID:23233					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs clearing and cleaning of the pipe.					
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 3.5 feet below the crown. Pipe discharges onto waterside (WS) slope. Slope eroding. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 9.75)].					
FS Date: 4/10/2014					

Photo 1 of 3 : UCIP_FA_2017_34983_62966.jpg



WS view: CM outlet pipe on levee slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	9.55	Rating **	M	Issue No.	1178 (cont)	
LM End	9.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.966327 °	37.966327 °	
				-121.135980 °	-121.135980 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:34983						
DS_ID:23233						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Needs clearing and cleaning of the pipe.						
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe						
through the levee, 3.5 feet below the crown. Pipe discharges onto						
waterside (WS) slope. Slope eroding. [Additional Reference(s): DWR						
Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F,						
(HLM 9.75)].						
FS Date: 4/10/2014						

Photo 2 of 3 : UCIP_FA_2017_34983_62965.jpg



WS view: CM outlet pipe on levee slope.

LM Start	9.55	Rating **	M	Issue No.	1178 (cont)
LM End	9.55	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_34983_62964.jpg



WS view: closer view of CM outlet pipe on levee slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	9.62	Rating **	A/W	Issue No.	183
LM End	9.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.965693 °	37.965693 °
				-121.137063 °	-121.137063 °
DWR ID	DWR_NA0017_15_f_2017_183				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion was found on the waterside toe of the levee. It possibly could be a beaver den at this location.					

Photo 1 of 1 : FA_2017_NA0017_159_183_20171027_00547.jpg



View of an erosion with a possible beaver den on the waterside toe of the levee. The picture was taken from the opposite side of the levee. Fall 2017

LM Start	9.80	Rating **	M	Issue No.	1181
LM End	9.80	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.965294 °	37.965294 °
				-121.140184 °	-121.140184 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:34986					
DS_ID:23235					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Mud/soil in inlet pipe. Needs cleaning.No pipe or appurtenances visible on waterside. Dense vegetation (may be visible from other channel bank).					
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Grouted inlet and outlet.					
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 10.01)].					
FS Date: 4/10/2014					

Photo 1 of 3 : UCIP_FA_2017_34986_62986.jpg



WS view: no pipe or appurtenances found.

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

**Flood Control Project Maintenance
Levee Inspections**

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	9.80	Rating **	M	Issue No.	1181 (cont)	
LM End	9.80	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.965294 °	37.965294 °	
				-121.140184 °	-121.140184 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:34986						
DS_ID:23235						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Mud/soil in inlet pipe. Needs cleaning.No pipe or appurtenances visible on waterside. Dense vegetation (may be visible from other channel bank).						
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Grouted inlet and outlet.						
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 10.01)].						
FS Date: 4/10/2014						

Photo 2 of 3 : UCIP_FA_2017_34986_62985.jpg



LS view: partially buried inlet pipe.

LM Start	9.80	Rating **	M	Issue No.	1181 (cont)
LM End	9.80	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_34986_62984.jpg



LS view: closer view of partially buried inlet pipe. Needs cleaning and clearing.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	9.83	Rating **	A/W	Issue No.	126
LM End	9.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.965343 °	37.965343 °
				-121.140761 °	-121.140761 °
DWR ID	DWR_NA0017_15_s_2014_126				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
This portion of the levee is non-project. Therefore, the rating was given as A/W.					

Photo 1 of 1 : FA_2017_NA0017_159_126_20170921_00074.jpg



View of rodent holes on the waterside of the levee looking upstream.

LM Start	9.90	Rating **	A/W	Issue No.	68
LM End	9.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.965165 °	37.965165 °
				-121.141928 °	-121.141928 °
DWR ID	DWR_NA0017_15_s_2013_68				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
This portion of the levee is non-project. Therefore, the rating was given as A/W.					

Photo 1 of 1 : FA_2017_NA0017_159_68_20170921_00051.jpg



Slope instability was found on the waterside slope of the levee looking downstream.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	10.01	Rating **	M	Issue No.	1182	
LM End	10.01	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.965085 °	37.965085 °	
				-121.143999 °	-121.143999 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:34987						
DS_ID:23236						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: May need cleaning of the pipe.Pipe not visible on waterside.						
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Grouted inlet and outlet.						
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 10.22)].						
FS Date: 4/10/2014						

Photo 1 of 3 : UCIP_FA_2017_34987_62992.jpg



WS view: no pipe or appurtenances found.

LM Start	10.01	Rating **	M	Issue No.	1182 (cont)
LM End	10.01	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_34987_62990.jpg



LS view: partially buried inlet pipe on levee toe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	10.01	Rating **	M	Issue No.	1182 (cont)	
LM End	10.01	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.965085 °		37.965085 °
				-121.143999 °		-121.143999 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:34987						
DS_ID:23236						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: May need cleaning of the pipe.Pipe not visible on waterside.						
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Grouted inlet and outlet.						
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 10.22)].						
FS Date: 4/10/2014						

Photo 3 of 3 : UCIP_FA_2017_34987_62991.jpg



LS view: inside view of partially buried inlet pipe. Needs cleaning.

LM Start	10.26	Rating **	A/W	Issue No.	1183
LM End	10.26	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.965104 °	37.965104 °
				-121.148460 °	-121.148460 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35003					
DS_ID:23237					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: May need cleaning of the inlet pipe. Vegetation debris on inlet box.					
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown. Concrete U-shaped headwall on the landside (LS). Flap gate on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 10.47)].					
FS Date: 4/10/2014					

Photo 1 of 2 : UCIP_FA_2017_35003_63003.jpg



WS view: CM outfall pipe with flapgate on levee slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	10.26	Rating **	A/W	Issue No.	1183 (cont)	
LM End	10.26	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.965104 °	37.965104 °	
				-121.148460 °	-121.148460 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:35003 DS_ID:23237 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: May need cleaning of the inlet pipe. Vegetation debris on inlet box. FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown. Concrete U-shaped headwall on the landside (LS). Flap gate on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 10.47)]. FS Date: 4/10/2014						

Photo 2 of 2 : UCIP_FA_2017_35003_63002.jpg



LS view: concrete headwall and inlet pipe. Needs cleaning of debris.

LM Start	10.27	Rating **	M	Issue No.	1185	
LM End	10.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.965097 °	37.965097 °	
				-121.148671 °	-121.148671 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:35005						
DS_ID:23238						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe buried on landside. May need cleaning of vegetation debris in inlet opening.						
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 10.49)].						
FS Date: 4/10/2014						

Photo 1 of 2 : UCIP_FA_2017_35005_63011.jpg



WS view: CM outfall pipe with flapgate on levee slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	10.27	Rating **	M	Issue No.	1185 (cont)	
LM End	10.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.965097 °	37.965097 °	
				-121.148671 °	-121.148671 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:35005						
DS_ID:23238						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe buried on landside. May need cleaning of vegetation debris in inlet opening.						
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 10.49)].						
FS Date: 4/10/2014						

Photo 2 of 2 : UCIP_FA_2017_35005_63010.jpg



LS view: vegetation debris in inlet area. Needs cleaning and clearing.

LM Start	11.41	Rating **	M	Issue No.	1187	
LM End	11.41	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.960784 °	37.960784 °	
				-121.168119 °	-121.168119 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:35010 DS_ID:23243 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Distorted outlet pipe on waterside. FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe, 4 feet below the roadway. Grouted outlet on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 11.64)]. FS Date: 4/14/2014						

Photo 1 of 2 : UCIP_FA_2017_35010_63035.jpg



WS view: outlet pipe on grouted riprap on levee slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	11.41	Rating **	M	Issue No.	1187 (cont)	
LM End	11.41	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.960784 °	37.960784 °	
				-121.168119 °	-121.168119 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:35010 DS_ID:23243 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Distorted outlet pipe on waterside. FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe, 4 feet below the roadway. Grouted outlet on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 11.64)]. FS Date: 4/14/2014						

Photo 2 of 2 : UCIP_FA_2017_35010_63034.jpg



LS view: headwall and inlet pipe on levee toe.

LM Start	11.55	Rating **	A/W	Issue No.	1188	
LM End	11.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.960961 °	37.960961 °	
				-121.170662 °	-121.170662 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:48304						
DS_ID:23244						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: New pipe and flapgate.						
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Flap gate on the waterside (WS). Headwall with open inlet pipe on the landside (LS). Grouted outlet. [Additional Reference(s): DWR Levee Log, 1992, 18-inch pipe listed. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 11.79) 18-inch pipe listed].						
FS Date: 4/14/2014						

Photo 1 of 2 : UCIP_FA_2017_48304_63039.jpg



WS view: outlet CM pipe with flapgate. Flood wall acts as headwall.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	11.55	Rating **	A/W	Issue No.	1188 (cont)	
LM End	11.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.960961 °	37.960961 °	
				-121.170662 °	-121.170662 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:48304						
DS_ID:23244						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: New pipe and flapgate.						
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Flap gate on the waterside (WS). Headwall with open inlet pipe on the landside (LS). Grouted outlet. [Additional Reference(s): DWR Levee Log, 1992, 18-inch pipe listed. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 11.79) 18-inch pipe listed].						
FS Date: 4/14/2014						

Photo 2 of 2 : UCIP_FA_2017_48304_63038.jpg



LS view: inlet pipe and headwall on levee toe. May need cleaning of inlet opening.

LM Start	11.63	Rating **	M	Issue No.	164
LM End	13.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.961383 °	37.961103 °
				-121.172181 °	-121.199605 °
DWR ID	DWR_NA0017_15_f_2017_164				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_159_164_20171023_00438.jpg



View of vegetation on the landside of the levee. Fall 2017

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

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	12.39	Rating **	A/W	Issue No.	1189
LM End	12.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.961206 °	37.961206 °
				-121.185819 °	-121.185819 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35014 DS_ID:23247 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: May need mud and debris cleaning. FIELD_STRUCT_DESC: 1 of 2: 48-inch drainage pipe of an unknown material through the levee, 11.5 feet below the crown. Slide gate in corrugated metal riser unit on the waterside (WS) slope. Concrete U-shaped headwall on both ends. Flap gates. Grouted rock spillway. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 12.65) corrugated metal pipe listed]. FS Date: 4/14/2014					

LM Start	12.39	Rating **	A/W	Issue No.	1189 (cont)
LM End	12.39	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_35014_63053.jpg



WS view: slide gates in CMP risers on levee slope.

Photo 2 of 3 : UCIP_FA_2017_35014_63052.jpg



WS view: flap gates and headwall on levee slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	12.39	Rating **	A/W	Issue No.	1189 (cont)
LM End	12.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.961206 °	37.961206 °
				-121.185819 °	-121.185819 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35014 DS_ID:23247 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: May need mud and debris cleaning. FIELD_STRUCT_DESC: 1 of 2: 48-inch drainage pipe of an unknown material through the levee, 11.5 feet below the crown. Slide gate in corrugated metal riser unit on the waterside (WS) slope. Concrete U-shaped headwall on both ends. Flap gates. Grouted rock spillway. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 12.65) corrugated metal pipe listed]. FS Date: 4/14/2014					

Photo 3 of 3 : UCIP_FA_2017_35014_63051.jpg



LS view: headwall and inlet pipes on levee slopes.

LM Start	12.39	Rating **	A/W	Issue No.	1190
LM End	12.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.961205 °	37.961205 °
				-121.185839 °	-121.185839 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35015 DS_ID:23454 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: May need mud and debris cleaning. FIELD_STRUCT_DESC: 2 of 2: 48-inch drainage pipe of an unknown material through the levee, 11.5 feet below the crown. Slide gate in corrugated metal riser units on the waterside (WS) slope. Concrete U-shaped headwall on both ends. Flap gates. Grouted rock spillway. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 12.65) corrugated metal pipe listed]. FS Date: 4/14/2014					

Photo 1 of 3 : UCIP_FA_2017_35015_63059.jpg



WS view: slide gates in CMP risers on levee slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	12.39	Rating **	A/W	Issue No.	1190 (cont)	
LM End	12.39	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.961205 °	37.961205 °	
				-121.185839 °	-121.185839 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:35015 DS_ID:23454 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: May need mud and debris cleaning. FIELD_STRUCT_DESC: 2 of 2: 48-inch drainage pipe of an unknown material through the levee, 11.5 feet below the crown. Slide gate in corrugated metal riser units on the waterside (WS) slope. Concrete U-shaped headwall on both ends. Flap gates. Grouted rock spillway. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 12.65) corrugated metal pipe listed]. FS Date: 4/14/2014						

LM Start	12.39	Rating **	A/W	Issue No.	1190 (cont)
LM End	12.39	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_35015_63058.jpg



WS view: headwall and flap gates on CMP ends on levee slope.

Photo 3 of 3 : UCIP_FA_2017_35015_63057.jpg



LS view: headwall and inlet pipes on levee slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	12.56	Rating **	A/W	Issue No.	1192
LM End	12.56	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.961082 °	37.961082 °
				-121.189020 °	-121.189020 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35043 DS_ID:23249 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: May need cleaning of pipes. Flood wall on waterside shoulder. FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS). Grouted intake and spillway. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 12.83)]. FS Date: 4/14/2014					

LM Start	12.56	Rating **	A/W	Issue No.	1192 (cont)
LM End	12.56	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_35043_63085.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

Photo 2 of 3 : UCIP_FA_2017_35043_63084.jpg



LS view: U type concrete headwall and CM inlet Pipe on levee slope.
Soil/mud on inlet box.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	12.56	Rating **	A/W	Issue No.	1192 (cont)	
LM End	12.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.961082 °	37.961082 °	
				-121.189020 °	-121.189020 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:35043 DS_ID:23249 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: May need cleaning of pipes. Flood wall on waterside shoulder. FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS). Grouted intake and spillway. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 12.83)]. FS Date: 4/14/2014						

Photo 3 of 3 : UCIP_FA_2017_35043_63083.jpg



LS view: inside view of the CM pipe. Needs cleaning and clearing the pipe.

LM Start	12.62	Rating **	C	Issue No.	224
LM End	12.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.961012 °	37.961012 °
				-121.189985 °	-121.189985 °
DWR ID	DWR_NA0017_15_s_2016_224				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	13.15	Rating **	M	Issue No.	1195	
LM End	13.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.961186 °	37.961186 °	
				-121.199150 °	-121.199150 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:35047 DS_ID:23252 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs pipe cleaning. FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Concrete U-shaped headwalls on both ends. Grouted spillway on the waterside (WS). Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 13.43)]. FS Date: 4/14/2014						

LM Start	13.15	Rating **	M	Issue No.	1195 (cont)
LM End	13.15	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_35047_63100.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

Photo 2 of 3 : UCIP_FA_2017_35047_63099.jpg



LS view: U type concrete headwall and CM inlet Pipe on levee slope. Soil/mud on inlet box.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	13.15	Rating **	M	Issue No.	1195 (cont)	
LM End	13.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.961186 °		37.961186 °
				-121.199150 °		-121.199150 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:35047						
DS_ID:23252						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Needs pipe cleaning.						
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe						
through the levee, 8.5 feet below the crown. Concrete U-shaped						
headwalls on both ends. Grouted spillway on the waterside (WS). Flap						
gate on the WS end. [Additional Reference(s): DWR Levee Log, 1992.						
USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 13.43)].						
FS Date: 4/14/2014						

Photo 3 of 3 : UCIP_FA_2017_35047_63101.jpg



LS view: inside view of the CM pipe. Needs cleaning and clearing the pipe.

LM Start	13.47	Rating **	M	Issue No.	1197
LM End	13.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.961446 °	37.961446 °
				-121.204389 °	-121.204389 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35049					
DS_ID:23254					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning.					
FIELD_STRUCT_DESC: 36-inch corrugated metal storm drainage pipe through the levee, 8.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS). Grouted spillway. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (Station 0+79)].					
FS Date: 4/14/2014					

Photo 1 of 3 : UCIP_FA_2017_35049_63113.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	13.47	Rating **	M	Issue No.	1197 (cont)
LM End	13.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.961446 °	37.961446 °
				-121.204389 °	-121.204389 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35049					
DS_ID:23254					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning.					
FIELD_STRUCT_DESC: 36-inch corrugated metal storm drainage pipe through the levee, 8.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS). Grouted spillway. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (Station 0+79)].					
FS Date: 4/14/2014					

LM Start	13.47	Rating **	M	Issue No.	1197 (cont)
LM End	13.47	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_35049_63112.jpg



LS view: U type concrete headwall and CM inlet Pipe on levee slope.
Soil/mud on inlet box.

Photo 3 of 3 : UCIP_FA_2017_35049_63111.jpg



LS view: inside view of the CM pipe. Needs cleaning and clearing the pipe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	13.50	Rating **	A/W	Issue No.	1198	
LM End	13.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.961696 °	37.961696 °	
				-121.204944 °	-121.204944 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:35064						
DS_ID:23257						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: May need cleaning.						
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe						
through the levee, 9.5 feet below the crown. Concrete U-shaped						
headwalls on both ends. Grouted spillway and intake. Flap gate on the						
waterside (WS). [Additional Reference(s): DWR Levee Log, 1992.						
USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 13.79)].						
FS Date: 4/14/2014						

LM Start	13.50	Rating **	A/W	Issue No.	1198 (cont)
LM End	13.50	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_35064_63131.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

Photo 2 of 3 : UCIP_FA_2017_35064_63130.jpg



LS view: inside view of the CM pipe. Needs cleaning and clearing the pipe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	13.50	Rating **	A/W	Issue No.	1198 (cont)	
LM End	13.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.961696 °	37.961696 °	
				-121.204944 °	-121.204944 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:35064						
DS_ID:23257						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: May need cleaning.						
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe						
through the levee, 9.5 feet below the crown. Concrete U-shaped						
headwalls on both ends. Grouted spillway and intake. Flap gate on the						
waterside (WS). [Additional Reference(s): DWR Levee Log, 1992.						
USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 13.79)].						
FS Date: 4/14/2014						

Photo 3 of 3 : UCIP_FA_2017_35064_63129.jpg



LS view: U type concrete headwall and CM inlet Pipe on levee slope.
Soil/mud on inlet box.

LM Start	14.59	Rating **	C	Issue No.	201
LM End	14.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.970281 °	37.970281 °
				-121.221683 °	-121.221683 °
DWR ID	DWR_NA0017_15_f_2016_201				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	15.04	Rating **	M	Issue No.	180
LM End	15.04	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.973416 °	37.973416 °
				-121.228922 °	-121.228922 °
DWR ID	DWR_NA0017_15_f_2014_180				
Comment Code					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_159_180_20170921_00093.jpg



The monolith joint is deteriorating on the waterside shoulder of the levee.

LM Start	15.28	Rating **	A/W	Issue No.	1201
LM End	15.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.975060 °	37.975060 °
				-121.232719 °	-121.232719 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35104					
DS_ID:23188					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: May need cleaning.					
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 9.5 feet below the crown. Concrete U-shaped headwall on both ends. Grouted spillway and intake. Flap gate on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 15.58)].					
FS Date: 4/15/2014					

Photo 1 of 3 : UCIP_FA_2017_35104_63192.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	15.28	Rating **	A/W	Issue No.	1201 (cont)
LM End	15.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.975060 °	37.975060 °
				-121.232719 °	-121.232719 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35104					
DS_ID:23188					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: May need cleaning.					
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 9.5 feet below the crown. Concrete U-shaped headwall on both ends. Grouted spillway and intake. Flap gate on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 15.58)].					
FS Date: 4/15/2014					

LM Start	15.28	Rating **	A/W	Issue No.	1201 (cont)
LM End	15.28	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_35104_63191.jpg



LS view: U type concrete headwall on levee slope.

Photo 3 of 3 : UCIP_FA_2017_35104_63193.jpg



LS view: inside view of CM inlet pipe on levee slope. Debris on inlet pipe. Needs cleaning.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	15.37	Rating **	M	Issue No.	154
LM End	15.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.975671 °	37.975671 °
				-121.234277 °	-121.234277 °
DWR ID	DWR_NA0017_15_f_2015_154				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_159_154_20171023_00440.jpg



View of rodent holes on the landside of the levee. Fall 2017

LM Start	15.40	Rating **	A/W	Issue No.	1202
LM End	15.40	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.975790 °	37.975790 °
				-121.234609 °	-121.234609 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35105					
DS_ID:23189					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: May need cleaning.					
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 9.5 feet below the crown. Concrete U-shaped headwall on both ends. Grouted spillway and intake. Flap gate.					
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 15.70)].					
FS Date: 4/15/2014					

Photo 1 of 2 : UCIP_FA_2017_35105_63197.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	15.40	Rating **	A/W	Issue No.	1202 (cont)	
LM End	15.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.975790 °	37.975790 °	
				-121.234609 °	-121.234609 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:35105						
DS_ID:23189						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: May need cleaning.						
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe						
through the levee, 9.5 feet below the crown. Concrete U-shaped						
headwall on both ends. Grouted spillway and intake. Flap gate.						
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin						
O&M Manual 611.1, Volume F, (HLM 15.70)].						
FS Date: 4/15/2014						

LS view: U type concrete headwall and CM pipe on levee slope. Debris in inlet pipe.

LM Start	15.41	Rating **	M	Issue No.	194
LM End	15.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.975893 °	37.975893 °
				-121.234858 °	-121.234858 °
DWR ID	DWR_NA0017_15_s_2015_194				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Updated picture of the rodent holes on the landside shoulder of the levee. Fall 2017

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

**Flood Control Project Maintenance
Levee Inspections**

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	15.41	Rating **	M	Issue No.	194 (cont)	
LM End	15.41	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.975893 °		37.975893 °
				-121.234858 °		-121.234858 °
DWR ID	DWR_NA0017_15_s_2015_194					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						

Photo 2 of 2 : FA_2017_NA0017_159_194_20170921_00100.jpg



Rodent holes were found on the landside of the levee looking downstream.

LM Start	15.42	Rating **	C	Issue No.	32
LM End	15.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.975959 °	37.975959 °
				-121.235058 °	-121.235058 °
DWR ID	DWR_NA0017_15_s_2014_32				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	15.43	Rating **	C	Issue No.	71
LM End	15.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.976000 °	37.976000 °
				-121.235156 °	-121.235156 °
DWR ID	DWR_NA0017_15_s_2013_71				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent control program has been in place.					

No Photos

LM Start	15.55	Rating **	M	Issue No.	228
LM End	15.55	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.976804 °	37.976804 °
				-121.237076 °	-121.237076 °
DWR ID	DWR_NA0017_15_s_2017_228				
Comment Code					
Inspector Comment					
There are multiple monolith joint deteriorations on the flood wall at this section.					

Photo 1 of 1 : FA_2017_NA0017_159_228_20170921_00115.jpg



View of a deteriorated monolith joint on the flood wall at waterside shoulder of the levee.

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

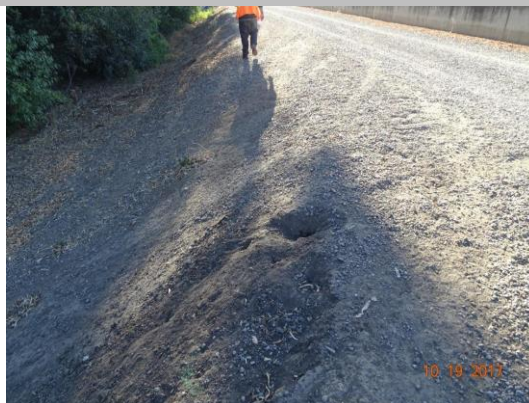
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	15.55	Rating **	M	Issue No.	166
LM End	15.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.976812 °	37.976812 °
				-121.237096 °	-121.237096 °
DWR ID	DWR_NA0017_15_f_2017_166				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_159_166_20171023_00442.jpg



View of a rodent hole on the landside shoulder of the levee looking upstream. Fall 2017

LM Start	15.64	Rating **	M	Issue No.	167
LM End	15.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.977476 °	37.978225 °
				-121.238666 °	-121.240346 °
DWR ID	DWR_NA0017_15_f_2017_167				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	16.11	Rating **	M	Issue No.	168
LM End	16.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.980787 °	37.980986 °
				-121.246098 °	-121.246612 °
DWR ID	DWR_NA0017_15_f_2017_168				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	16.14	Rating **	C	Issue No.	198
LM End	16.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.980961 °	37.980961 °
				-121.246553 °	-121.246553 °
DWR ID	DWR_NA0017_15_s_2015_198				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Runoff					

No Photos

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	16.26	Rating **	M	Issue No.	197
LM End	16.26	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.981770 °	37.981770 °
				-121.248521 °	-121.248521 °
DWR ID	DWR_NA0017_15_s_2015_197				
Comment Code					
Inspector Comment					
The monolith joint material is deteriorating at this location of the flood wall.					

Photo 1 of 1 : FA_2017_NA0017_159_197_20170921_00101.jpg



View of deteriorated monolith joint on the waterside shoulder of the levee. Fall 2016

LM Start	16.51	Rating **	A/W	Issue No.	1207	
LM End	16.51	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.983521 °		37.983521 °
				-121.252409 °		-121.252409 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:35128 DS_ID:23194 EP_NO: 7811 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: May need cleaning. FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete U-shaped headwalls on both ends. Grouted spillway and inlet. Flap gate on the waterside (WS) end. (Permit No. 7811-A, 1975 - Linzo Bozzano). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 16.83)]. FS Date: 4/15/2014						

Photo 1 of 3 : UCIP_FA_2017_35128_63241.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and grouted riprap spillway on levee slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	16.51	Rating **	A/W	Issue No.	1207 (cont)
LM End	16.51	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.983521 °	37.983521 °
				-121.252409 °	-121.252409 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:35128
DS_ID:23194
EP_NO: 7811
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: May need cleaning.
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete U-shaped headwalls on both ends. Grouted spillway and inlet. Flap gate on the waterside (WS) end. (Permit No. 7811-A, 1975 - Linzo Bozzano).
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 16.83)].
FS Date: 4/15/2014

LM Start	16.51	Rating **	A/W	Issue No.	1207 (cont)
LM End	16.51	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_35128_63240.jpg



LS view: U type concrete headwall and CM pipe on levee slope. Debris in inlet pipe.

Photo 3 of 3 : UCIP_FA_2017_35128_63239.jpg



LS view: inside view of the CM pipe. Needs cleaning and clearing the pipe.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	16.56	Rating **	C	Issue No.	158
LM End	16.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.983784 °	37.983784 °
				-121.253304 °	-121.253304 °
DWR ID	DWR_NA0017_15_f_2016_158				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Runoff					

No Photos

LM Start	16.73	Rating **	M	Issue No.	236
LM End	16.73	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.984922 °	37.984922 °
				-121.256014 °	-121.256014 °
DWR ID	DWR_NA0017_15_s_2017_236				
Comment Code					
Inspector Comment					
There are multiple monolith joint deteriorations on the flood wall at this section.					

Photo 1 of 1 : FA_2017_NA0017_159_236_20170921_00116.jpg



View of a deteriorated monolith joint on the flood wall at waterside shoulder of the levee.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	16.94	Rating **	M	Issue No.	169
LM End	16.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.986367 °	37.986367 °
				-121.259337 °	-121.259337 °
DWR ID	DWR_NA0017_15_f_2017_169				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_159_169_20171023_00443.jpg



View of debris on the waterside slope of the levee. Fall 2017

LM Start	17.40	Rating **	A/W	Issue No.	1209
LM End	17.40	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.989509 °	37.989509 °
				-121.266860 °	-121.266860 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35163 DS_ID:23265 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) Adjacent pipes are: two 14-inch pipes through the levee 3.0 feet below the crown. Steel trash rack on landside intake. FIELD_STRUCT_DESC: [Mormon Slough Pumping Plant No. 1] 1 of 3: 30-inch by 30-inch reinforced concrete box drainage culvert through the levee, 17.6 feet below the crown. Slide gate in riser unit on the waterside (WS) slope. Flap gate on the WS end. Concrete U-shaped headwall around all three pipes on the WS. Intake under the pump house on the landside (LS). Steel steps on the LS slope. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 17.74)]. FS Date: 4/15/2014					

Photo 1 of 3 : UCIP_FA_2017_35163_63285.jpg



WS view: slide gate in a concrete box on levee shoulder.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	17.40	Rating **	A/W	Issue No.	1209 (cont)
LM End	17.40	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.989509 °	37.989509 °
				-121.266860 °	-121.266860 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:35163
DS_ID:23265
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana)
Adjacent pipes are: two 14-inch pipes through the levee 3.0 feet below the crown. Steel trash rack on landside intake.
FIELD_STRUCT_DESC: [Mormon Slough Pumping Plant No. 1] 1 of 3: 30-inch by 30-inch reinforced concrete box drainage culvert through the levee, 17.6 feet below the crown. Slide gate in riser unit on the waterside (WS) slope. Flap gate on the WS end. Concrete U-shaped headwall around all three pipes on the WS. Intake under the pump house on the landside (LS). Steel steps on the LS slope. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 17.74)].
FS Date: 4/15/2014

LM Start	17.40	Rating **	A/W	Issue No.	1209 (cont)
LM End	17.40	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_35163_63284.jpg



WS view: U type concrete headwall, 14" CM pipes and 30" RC culvert with flapgate, and concrete spillway on levee slope.

Photo 3 of 3 : UCIP_FA_2017_35163_63283.jpg



LS view: pump house inside wired fence on levee slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	17.40	Rating **	A/W	Issue No.	1210
LM End	17.40	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.989520 °	37.989520 °
				-121.266878 °	-121.266878 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:35164
DS_ID:23460
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana)
Adjacent pipe is: 30-inch by 30-inch RC box culvert through the levee 17.6 feet below the crown. Steel trash rack on landside intake.
FIELD_STRUCT_DESC: [Mormon Slough Pumping Plant No. 1] 2 of 3: Two 14-inch steel drainage pipes through the levee, 3 feet below the crown. Siphon breakers in 4-foot high riser units on the landside (LS) shoulder. Flap gates on the waterside (WS) end. Concrete U-shaped headwall around all three pipes on the WS. Pump house on the LS. Steel steps on the LS slope. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 17.74)].
FS Date: 4/15/2014

LM Start	17.40	Rating **	A/W	Issue No.	1210 (cont)
LM End	17.40	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2017_35164_63289.jpg



WS view: U type concrete headwall, 14" CM pipes and 30" RC culvert with flapgate, and concrete spillway on levee slope.

Photo 2 of 2 : UCIP_FA_2017_35164_63288.jpg



LS view: siphon breakers in steel pipe risers and pump house on levee slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	17.41	Rating **	A/W	Issue No.	1211
LM End	17.41	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.989523 °	37.989523 °
				-121.266886 °	-121.266886 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:35165
DS_ID:23461
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana)
Adjacent pipe is: 30-inch by 30-inch RC box culvert through the levee 17.6 feet below the crown. Steel trash rack on landside.
FIELD_STRUCT_DESC: [Mormon Slough Pumping Plant No. 1] 3 of 3: Two 14-inch steel drainage pipes through the levee, 3 feet below the crown. Siphon breakers in 4-foot high riser units on the landside (LS) shoulder. Flap gates on the waterside (WS) end. Concrete U-shaped headwall around all three pipes on the WS. Pump house on the LS. Wooden steps on the LS slope. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 17.74)].
FS Date: 4/15/2014

LM Start	17.41	Rating **	A/W	Issue No.	1211 (cont)
LM End	17.41	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2017_35165_63293.jpg



WS view: U type concrete headwall, 14" CM pipes and 30" RC culvert with flapgate, and concrete spillway on levee slope.

Photo 2 of 2 : UCIP_FA_2017_35165_63292.jpg



LS view: siphon breakers in steel pipe risers and pump house on levee slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	17.66	Rating **	M	Issue No.	1214
LM End	17.66	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.991126 °	37.991126 °
				-121.271062 °	-121.271062 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35183 DS_ID:23267 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: CMP riser needs cleaning. FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 13 feet below the crown. Concrete U-shaped headwall on the waterside (WS). Corrugated metal riser unit at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 18.01)]. FS Date: 4/15/2014					

LM Start	17.66	Rating **	M	Issue No.	1214 (cont)
LM End	17.66	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_35183_63325.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

Photo 2 of 3 : UCIP_FA_2017_35183_63324.jpg



LS view: CMP riser on levee shoulder.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	18.17	Rating **	M	Issue No.	1216
LM End	18.17	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.994753 °	37.994753 °
				-121.278107 °	-121.278107 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35203 DS_ID:23269 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate handle missing. Vegetation on both inlet and outlet box. FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Concrete U-shaped headwall on both levee sides. Slide gate in corrugated metal riser unit on the waterside (WS) slope. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 18.54)]. FS Date: 4/15/2014					

LM Start	18.17	Rating **	M	Issue No.	1216 (cont)
LM End	18.17	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_35203_63345.jpg



LS view: U type concrete headwall and CM pipe on levee slope.

Photo 2 of 3 : UCIP_FA_2017_35203_63344.jpg



WS view: slide gate in CMP riser on levee slope. Slide gate handle missing.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	18.17	Rating **	M	Issue No.	1216 (cont)
LM End	18.17	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.994753 °	37.994753 °
				-121.278107 °	-121.278107 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35203 DS_ID:23269 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate handle missing. Vegetation on both inlet and outlet box. FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Concrete U-shaped headwall on both levee sides. Slide gate in corrugated metal riser unit on the waterside (WS) slope. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 18.54)]. FS Date: 4/15/2014					

Photo 3 of 3 : UCIP_FA_2017_35203_63343.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

LM Start	18.32	Rating **	A/W	Issue No.	1217
LM End	18.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.994938 °	37.994938 °
				-121.275529 °	-121.275529 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35204 DS_ID:23270 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch steel drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwall on both ends. Grouted spillway. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 18.68) corrugated metal pipe listed]. FS Date: 4/15/2014					

Photo 1 of 2 : UCIP_FA_2017_35204_63349.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	18.32	Rating **	A/W	Issue No.	1217 (cont)	
LM End	18.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.994938 °	37.994938 °	
				-121.275529 °	-121.275529 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:35204						
DS_ID:23270						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 30-inch steel drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwall on both ends. Grouted spillway. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 18.68) corrugated metal pipe listed].						
FS Date: 4/15/2014						

Photo 2 of 2 : UCIP_FA_2017_35204_63348.jpg



LS view: U type concrete headwall and CM pipe on levee slope.

LM Start	18.88	Rating **	A/W	Issue No.	1219
LM End	18.88	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.000116 °	38.000116 °
				-121.269301 °	-121.269301 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35206 DS_ID:23464 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Slide gate in a concrete box on waterside shoulder. FIELD_STRUCT_DESC: 30-inch reinforced concrete storm drainage pipe through the levee, 6 feet below the crown. Slide gate in a concrete box on the waterside (WS) shoulder. [Additional Reference(s): USACE San Joaquin O&M Manual 611.1, Volume F, (Station 345+65)]. FS Date: 4/15/2014					

Photo 1 of 3 : UCIP_FA_2017_35206_63361.jpg



WS view: slide gate in a concrete box on levee shoulder.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	18.88	Rating **	A/W	Issue No.	1219 (cont)	
LM End	18.88	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.000116°	38.000116°	
				-121.269301°	-121.269301°	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:35206 DS_ID:23464 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Slide gate in a concrete box on waterside shoulder. FIELD_STRUCT_DESC: 30-inch reinforced concrete storm drainage pipe through the levee, 6 feet below the crown. Slide gate in a concrete box on the waterside (WS) shoulder. [Additional Reference(s): USACE San Joaquin O&M Manual 611.1, Volume F, (Station 345+65)]. FS Date: 4/15/2014						

Photo 2 of 3 : UCIP_FA_2017_35206_63360.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

LM Start	18.88	Rating **	A/W	Issue No.	1219 (cont)
LM End	18.88	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_35206_63359.jpg



LS view: U type concrete headwall and CM pipe on levee slope.

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

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	19.83	Rating **	M	Issue No.	170
LM End	20.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.994066 °	37.993659 °
				-121.283258 °	-121.288556 °
DWR ID	DWR_NA0017_15_f_2017_170				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_159_170_20171023_00444.jpg



View of vegetation on the landside shoulder of the levee. Fall 2017

LM Start	19.92	Rating **	M	Issue No.	171
LM End	19.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.993707 °	37.993707 °
				-121.284852 °	-121.284852 °
DWR ID	DWR_NA0017_15_f_2017_171				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_159_171_20171023_00444.jpg



View of a rodent hole on the landside of the levee. Fall 2017

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

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

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

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	19.97	Rating **	A/W	Issue No.	1222
LM End	19.97	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.993645 °	37.993645 °
				-121.285805 °	-121.285805 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35263 DS_ID:23274 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Not found concrete headwall on the landward side. A manhole found on landside. FIELD_STRUCT_DESC: 24-inch steel drainage pipe through the levee, 12 feet below the crown. Flap gate and concrete headwall on the waterside (WS). Manhole on the landside (LS). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 20.14)]. FS Date: 4/22/2014					

LM Start	19.97	Rating **	A/W	Issue No.	1222 (cont)
LM End	19.97	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2017_35263_63421.jpg



WS view: concrete headwall and steel pipe with flapgate on levee slope.
Vegetation and debris on spillway.

Photo 2 of 2 : UCIP_FA_2017_35263_63420.jpg



LS view: a manhole on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	19.98	Rating **	C	Issue No.	206
LM End	19.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.993639 °	37.993639 °
				-121.285925 °	-121.285925 °
DWR ID	DWR_NA0017_15_s_2016_206				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	19.99	Rating **	N	Issue No.	103
LM End	19.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.993578 °	37.993578 °
				-121.286165 °	-121.286165 °
DWR ID	DWR_NA0017_15_f_2013_103				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	20.58	Rating **	M	Issue No.	1224 (cont)	
LM End	20.58	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.992395 °	37.992395 °	
				-121.296512 °	-121.296512 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40412 DS_ID:23279 EP_NO: 4583 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Half inlet opening buried into mud. Needs cleaning and clearing. Intake on storm drain ditch. Trash rack on inlet. FIELD_STRUCT_DESC: 24-inch reinforced concrete drainage pipe through the levee, 12.5 feet below the crown. Concrete headwall and flap gate on the waterside (WS) end. Concrete headwall with flashboard slats on the landside (LS). (Permit No. 4583, 1964 - San Joaquin County Department of Public Works). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 20.76)]. FS Date: 5/22/2014						

Photo 3 of 3 : UCIP_FA_2017_40412_63525.jpg



LS view: partially buried intake pipe with trash rack on levee toe. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	21.03	Rating **	U	Issue No.	1225
LM End	21.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.991479 °	37.991479 °
				-121.304506 °	-121.304506 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:51409
DS_ID:23281
EP_NO: 2389
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 05/31/2016 same as last inspection. Need to contact owner to determine status. If crossing is no longer in use owner will need to coordinate with CVFPB to comply with Title 23. (O. Magana - DWR UCIP)05/22/2014 Flapgate does not fully close. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 1 of 3: 16-inch steel drainage pipe through the levee, 4.6 feet below the crown. Flap gate on the waterside (WS) end. Siphon breakers in 42-inch concrete riser on the WS shoulder. Pump house on the landside (LS). (emergency work to remove silt and sand blocking discharge pipe work authorized under Permit No. 6809, 1969 - City of Stockton; 16-inch pipe authorized under Permit No. 2389, 1957 - City of Stockton). [Additional Reference(s): DWR Levee Log, 1976, 1977, 1978, 1987, 1990. USACE San Joaquin O&M Manual Unit 611, Part No. 1 – Mormon Slough Project, Unit 15 Mormon Slough: HLM 1.18 – 13.46, Unit 15 Diverting Canal: HLM 13.79 – 18.01, Unit 15 Calaveras River LB: 18.54-18.76, Unit 15 Calaveras River RB: HLM 19.35 – 25.38, Unit 16 Mormon Slough: 0.27 – 13.18, Unit 16 Diverting Canal: 14.71 – 17.79, Unit 16 Calaveras River: 18.98 – 23.36, Unit 17 Potter Creek RB: 0.33 – 0.60, Unit 18 Potter Creek LB: 0.00-0.55, (HLM 21.21)]
FS Date: 10/31/2016

LM Start	21.03	Rating **	U	Issue No.	1225 (cont)
LM End	21.03	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_51409_63545.jpg



WS view: three (one not visible) steel outfall pipes on channel bank.

Photo 2 of 3 : UCIP_FA_2017_51409_63544.jpg



WS view: siphon breakers in concrete pipe risers on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	21.03	Rating **	U	Issue No.	1225 (cont)
LM End	21.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.991479 °	37.991479 °
				-121.304506 °	-121.304506 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:51409
DS_ID:23281
EP_NO: 2389
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 05/31/2016 same as last inspection. Need to contact owner to determine status. If crossing is no longer in use owner will need to coordinate with CVFPB to comply with Title 23. (O. Magana - DWR UCIP)05/22/2014 Flapgate does not fully close. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 1 of 3: 16-inch steel drainage pipe through the levee, 4.6 feet below the crown. Flap gate on the waterside (WS) end. Siphon breakers in 42-inch concrete riser on the WS shoulder. Pump house on the landside (LS). (emergency work to remove silt and sand blocking discharge pipe work authorized under Permit No. 6809, 1969 - City of Stockton; 16-inch pipe authorized under Permit No. 2389, 1957 - City of Stockton). [Additional Reference(s): DWR Levee Log, 1976, 1977, 1978, 1987, 1990. USACE San Joaquin O&M Manual Unit 611, Part No. 1 - Mormon Slough Project, Unit 15 Mormon Slough: HLM 1.18 - 13.46, Unit 15 Diverting Canal: HLM 13.79 - 18.01, Unit 15 Calaveras River LB: 18.54-18.76, Unit 15 Calaveras River RB: HLM 19.35 - 25.38, Unit 16 Mormon Slough: 0.27 - 13.18, Unit 16 Diverting Canal: 14.71 - 17.79, Unit 16 Calaveras River: 18.98 - 23.36, Unit 17 Potter Creek RB: 0.33 - 0.60, Unit 18 Potter Creek LB: 0.00-0.55, (HLM 21.21)]
FS Date: 10/31/2016

Photo 3 of 3 : UCIP_FA_2017_51409_63543.jpg



LS view: pipes and pump house in pump station on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	21.03	Rating **	U	Issue No.	1226
LM End	21.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.991470 °	37.991470 °
				-121.304522 °	-121.304522 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:51410
DS_ID:23469
EP_NO: 6809
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 10/31/2016 same as last inspection. (O. Magana - DWR UCIP)05/22/2014 Flatgate was not fully closed. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 2 of 3: 18-inch steel drainage pipe through the levee, 4.6 feet below the crown. Flap gate on the waterside (WS) end. Siphon breaker in 42-inch concrete riser located on the WS shoulder. Pump house is located on the landside (LS). In 2011, pipe section from pump station to riser was replaced. (emergency work to remove silt and sand blocking discharge pipe work authorized under Permit No. 6809, 1969 - City of Stockton; 18-inch pipe authorized under Permit No. 2389, 1957 - City of Stockton). [Additional Reference(s): DWR Levee Log, 1976, 1977, 1978, 1987, 1990. USACE San Joaquin O&M Manual Unit 611, Part No. 1 - Mormon Slough Project, Unit 15 Mormon Slough: HLM 1.18 - 13.46, Unit 15 Diverting Canal: HLM 13.79 - 18.01, Unit 15 Calaveras River LB: 18.54-18.76, Unit 15 Calaveras River RB: HLM 19.35 - 25.38, Unit 16 Mormon Slough: 0.27 - 13.18, Unit 16 Diverting Canal: 14.71 - 17.79, Unit 16 Calaveras River: 18.98 - 23.36, Unit 17 Potter Creek RB: 0.33 - 0.60, Unit 18 Potter Creek LB: 0.00-0.55, (HLM 21.21)]
FS Date: 10/31/2016

LM Start	21.03	Rating **	U	Issue No.	1226 (cont)
LM End	21.03	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_51410_63550.jpg



WS view: siphon breakers in concrete pipe risers on levee slope.

Photo 2 of 3 : UCIP_FA_2017_51410_63549.jpg



WS view: three (one not visible) steel outfall pipes on channel bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	21.03	Rating **	U	Issue No.	1226 (cont)
LM End	21.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.991470 °	37.991470 °
				-121.304522 °	-121.304522 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:51410
DS_ID:23469
EP_NO: 6809
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 10/31/2016 same as last inspection. (O. Magana - DWR UCIP)05/22/2014 Flatgate was not fully closed. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 2 of 3: 18-inch steel drainage pipe through the levee, 4.6 feet below the crown. Flap gate on the waterside (WS) end. Siphon breaker in 42-inch concrete riser located on the WS shoulder. Pump house is located on the landside (LS). In 2011, pipe section from pump station to riser was replaced. (emergency work to remove silt and sand blocking discharge pipe work authorized under Permit No. 6809, 1969 - City of Stockton; 18-inch pipe authorized under Permit No. 2389, 1957 - City of Stockton). [Additional Reference(s): DWR Levee Log, 1976, 1977, 1978, 1987, 1990. USACE San Joaquin O&M Manual Unit 611, Part No. 1 - Mormon Slough Project, Unit 15 Mormon Slough: HLM 1.18 - 13.46, Unit 15 Diverting Canal: HLM 13.79 - 18.01, Unit 15 Calaveras River LB: 18.54-18.76, Unit 15 Calaveras River RB: HLM 19.35 - 25.38, Unit 16 Mormon Slough: 0.27 - 13.18, Unit 16 Diverting Canal: 14.71 - 17.79, Unit 16 Calaveras River: 18.98 - 23.36, Unit 17 Potter Creek RB: 0.33 - 0.60, Unit 18 Potter Creek LB: 0.00-0.55, (HLM 21.21)]
FS Date: 10/31/2016

Photo 3 of 3 : UCIP_FA_2017_51410_63551.jpg



LS view: pipes and pump house in pump station on levee toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	21.03	Rating **	M	Issue No.	1227
LM End	21.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.991458 °	37.991458 °
				-121.304543 °	-121.304543 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:35345
DS_ID:23470
EP_NO: 2389
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pipe was not visible due to vegetation or buried on waterside.
FIELD_STRUCT_DESC: 3 of 3: 24-inch steel pipes through the levee 4.6-feet below the crown. Flap gates on the waterward end. Siphon breakers in 42-inch concrete riser on the waterward shoulder. Pump house on the landward side. Chain link fence around the pump house. (emergency work to remove silt and sand blocking discharge pipe work authorized under Permit No. 6809, 1969 - City of Stockton; 24-inch pipe authorized under Permit No. 2389 - City of Stockton). [Additional Reference(s): DWR Levee Log, 1976, 1977, 1978, 1987, 1990. USACE San Joaquin O&M Manual Unit 611, Part No. 1 – Mormon Slough Project, Unit 15 Mormon Slough: HLM 1.18 – 13.46, Unit 15 Diverting Canal: HLM 13.79 – 18.01, Unit 15 Calaveras River LB: 18.54-18.76, Unit 15 Calaveras River RB: HLM 19.35 – 25.38, Unit 16 Mormon Slough: 0.27 – 13.18, Unit 16 Diverting Canal: 14.71 – 17.79, Unit 16 Calaveras River: 18.98 – 23.36, Unit 17 Potter Creek RB: 0.33 – 0.60, Unit 18 Potter Creek LB: 0.00-0.55, (HLM 21.21)]
FS Date: 5/22/2014

LM Start	21.03	Rating **	M	Issue No.	1227 (cont)
LM End	21.03	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_35345_63557.jpg



WS view: siphon breakers in concrete pipe risers on levee slope.

Photo 2 of 3 : UCIP_FA_2017_35345_63556.jpg



WS view: three (one not visible) steel outfall pipes on channel bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	21.03	Rating **	A/W	Issue No.	1228
LM End	21.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.991421 °	37.991421 °
				-121.304599 °	-121.304599 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:35346
DS_ID:23282
EP_NO: 4981
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 36" steel pipe.
FIELD_STRUCT_DESC: 1 of 3: 36-inch steel pipe through the levee 4.6-feet below the crown. Flap gates on the waterward end. Siphon breakers in 42-inch concrete risers on the waterward shoulder. Pump house on the landward side. (Permit No. 4981 - City of Stockton) O&M Manual SJR Assumed 999. [Additional Reference(s): DWR Levee Log, 1976, 1977, 1978, 1987, 1990. USACE San Joaquin O&M Manual Unit 611, Part No. 1 – Mormon Slough Project, Unit 15 Mormon Slough: HLM 1.18 – 13.46, Unit 15 Diverting Canal: HLM 13.79 – 18.01, Unit 15 Calaveras River LB: 18.54-18.76, Unit 15 Calaveras River RB: HLM 19.35 – 25.38, Unit 16 Mormon Slough: 0.27 – 13.18, Unit 16 Diverting Canal: 14.71 – 17.79, Unit 16 Calaveras River: 18.98 – 23.36, Unit 17 Potter Creek RB: 0.33 – 0.60, Unit 18 Potter Creek LB: 0.00-0.55, June 1965, (HLM 21.22)]
FS Date: 5/22/2014

LM Start	21.03	Rating **	A/W	Issue No.	1228 (cont)
LM End	21.03	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_35346_63563.jpg



WS view: two 30" and one 16" (middle one) steel outfall pipes with flapgate on channel bank.

Photo 2 of 3 : UCIP_FA_2017_35346_63562.jpg



WS view: siphon breakers in concrete pipe risers on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	21.03	Rating **	A/W	Issue No.	1228 (cont)
LM End	21.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.991421 °	37.991421 °
				-121.304599 °	-121.304599 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:35346
DS_ID:23282
EP_NO: 4981
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 36" steel pipe.
FIELD_STRUCT_DESC: 1 of 3: 36-inch steel pipe through the levee 4.6-feet below the crown. Flap gates on the waterward end. Siphon breakers in 42-inch concrete risers on the waterward shoulder. Pump house on the landward side. (Permit No. 4981 - City of Stockton) O&M Manual SJR Assumed 999. [Additional Reference(s): DWR Levee Log, 1976, 1977, 1978, 1987, 1990. USACE San Joaquin O&M Manual Unit 611, Part No. 1 – Mormon Slough Project, Unit 15 Mormon Slough: HLM 1.18 – 13.46, Unit 15 Diverting Canal: HLM 13.79 – 18.01, Unit 15 Calaveras River LB: 18.54-18.76, Unit 15 Calaveras River RB: HLM 19.35 – 25.38, Unit 16 Mormon Slough: 0.27 – 13.18, Unit 16 Diverting Canal: 14.71 – 17.79, Unit 16 Calaveras River: 18.98 – 23.36, Unit 17 Potter Creek RB: 0.33 – 0.60, Unit 18 Potter Creek LB: 0.00-0.55, June 1965, (HLM 21.22)]
FS Date: 5/22/2014

Photo 3 of 3 : UCIP_FA_2017_35346_63561.jpg



LS view: pump house inside wired fence on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	21.03	Rating **	A/W	Issue No.	1229 (cont)
LM End	21.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.991411 °	37.991411 °
				-121.304614 °	-121.304614 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:35347
DS_ID:23471
EP_NO: 4981
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 2 of 3: 16-inch steel pipe through the levee 4.6-feet below the crown. Flap gates on the waterward end. Siphon breakers in 42-inch concrete risers on the waterward shoulder. Pump house on the landward side. (Permit No. 4981 - City of Stockton)
[Additional Reference(s): DWR Levee Log, 1976, 1977, 1978, 1987, 1990. USACE San Joaquin O&M Manual Unit 611, Part No. 1 – Mormon Slough Project, Unit 15 Mormon Slough: HLM 1.18 – 13.46, Unit 15 Diverting Canal: HLM 13.79 – 18.01, Unit 15 Calaveras River LB: 18.54-18.76, Unit 15 Calaveras River RB: HLM 19.35 – 25.38, Unit 16 Mormon Slough: 0.27 – 13.18, Unit 16 Diverting Canal: 14.71 – 17.79, Unit 16 Calaveras River: 18.98 – 23.36, Unit 17 Potter Creek RB: 0.33 – 0.60, Unit 18 Potter Creek LB: 0.00-0.55, June 1965, (HLM 21.22)]
FS Date: 5/22/2014

Photo 3 of 3 : UCIP_FA_2017_35347_63567.jpg



LS view: pump house inside wired fence on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	21.04	Rating **	A/W	Issue No.	1230
LM End	21.04	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.991397 °	37.991397 °
				-121.304631 °	-121.304631 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:35348
DS_ID:23472
EP_NO: 4981
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 36-inch steel pipe.
FIELD_STRUCT_DESC: 3 of 3: 36-inch steel pipe through the levee, 4.6-feet below the crown. Flap gates on the waterward end. Siphon breakers in 42-inch concrete risers on the waterward shoulder. Pump house on the landward side. (Permit No. 4981 - City of Stockton)
[Additional Reference(s): DWR Levee Log, 1976, 1977, 1978, 1987, 1990. USACE San Joaquin O&M Manual Unit 611, Part No. 1 – Mormon Slough Project, Unit 15 Mormon Slough: HLM 1.18 – 13.46, Unit 15 Diverting Canal: HLM 13.79 – 18.01, Unit 15 Calaveras River LB: 18.54-18.76, Unit 15 Calaveras River RB: HLM 19.35 – 25.38, Unit 16 Mormon Slough: 0.27 – 13.18, Unit 16 Diverting Canal: 14.71 – 17.79, Unit 16 Calaveras River: 18.98 – 23.36, Unit 17 Potter Creek RB: 0.33 – 0.60, Unit 18 Potter Creek LB: 0.00-0.55, June 1965, (HLM 21.22)]
FS Date: 5/22/2014

LM Start	21.04	Rating **	A/W	Issue No.	1230 (cont)
LM End	21.04	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_35348_63575.jpg



WS view: two 30" and one 16" (middle one) steel outfall pipes with flapgate on channel bank.

Photo 2 of 3 : UCIP_FA_2017_35348_63574.jpg



WS view: siphon breakers in concrete pipe risers on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	21.04	Rating **	A/W	Issue No.	1230 (cont)
LM End	21.04	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.991397 °	37.991397 °
				-121.304631 °	-121.304631 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35348 DS_ID:23472 EP_NO: 4981 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 36-inch steel pipe. FIELD_STRUCT_DESC: 3 of 3: 36-inch steel pipe through the levee, 4.6-feet below the crown. Flap gates on the waterward end. Siphon breakers in 42-inch concrete risers on the waterward shoulder. Pump house on the landward side. (Permit No. 4981 - City of Stockton) [Additional Reference(s): DWR Levee Log, 1976, 1977, 1978, 1987, 1990. USACE San Joaquin O&M Manual Unit 611, Part No. 1 – Mormon Slough Project, Unit 15 Mormon Slough: HLM 1.18 – 13.46, Unit 15 Diverting Canal: HLM 13.79 – 18.01, Unit 15 Calaveras River LB: 18.54-18.76, Unit 15 Calaveras River RB: HLM 19.35 – 25.38, Unit 16 Mormon Slough: 0.27 – 13.18, Unit 16 Diverting Canal: 14.71 – 17.79, Unit 16 Calaveras River: 18.98 – 23.36, Unit 17 Potter Creek RB: 0.33 – 0.60, Unit 18 Potter Creek LB: 0.00-0.55, June 1965, (HLM 21.22)] FS Date: 5/22/2014					

Photo 3 of 3 : UCIP_FA_2017_35348_63573.jpg



LS view: pump house inside wired fence on levee toe.

LM Start	21.25	Rating **	M	Issue No.	172
LM End	21.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.988969 °	37.988969 °
				-121.307009 °	-121.307009 °
DWR ID	DWR_NA0017_15_f_2015_172				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff.					

Photo 1 of 1 : FA_2017_NA0017_159_172_20170921_00088.jpg



Erosion was found on the landside of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	21.66	Rating **	M	Issue No.	175
LM End	21.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.984036 °	37.982419 °
				-121.310852 °	-121.313231 °
DWR ID	DWR_NA0017_15_f_2017_175				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	21.95	Rating **	M	Issue No.	240	
LM End	21.95	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.981308 °		37.981308 °
				-121.314831 °		-121.314831 °
DWR ID	DWR_NA0017_15_s_2017_240					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Landside toe erosion.						

Photo 1 of 1 : FA_2017_NA0017_159_240_20170921_00117.jpg



View of erosion on the landside toe of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	21.96	Rating **	M	Issue No.	173
LM End	21.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.981147 °	37.981147 °
				-121.315071 °	-121.315071 °
DWR ID	DWR_NA0017_15_s_2012_173				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff.					

Photo 1 of 2 : FA_2017_NA0017_159_173_20170921_00089.jpg



Updated picture of erosion due to runoff on the landside slope of the levee during fall 2016 inspection.

LM Start	21.96	Rating **	M	Issue No.	173 (cont)
LM End	21.96	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2017_NA0017_159_173_20170921_00090.jpg



View of the erosion caused by run off on the landside slope of the levee looking downstream during fall 2015 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	22.86	Rating **	M	Issue No.	181
LM End	23.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.981372 °	37.980142 °
				-121.330217 °	-121.336699 °
DWR ID	DWR_NA0017_15_f_2017_181				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	22.88	Rating **	M	Issue No.	185
LM End	22.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.981278 °	37.981278 °
				-121.330566 °	-121.330566 °
DWR ID	DWR_NA0017_15_f_2016_185				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff					

Photo 1 of 1 : FA_2017_NA0017_159_185_20170921_00094.jpg



View of an erosion due to runoff on the landside of the levee. Spring 2017

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	22.88	Rating **	M	Issue No.	182
LM End	23.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.981259 °	37.980727 °
				-121.330614 °	-121.333135 °
DWR ID	DWR_NA0017_15_f_2017_182				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	23.55	Rating **	A/W	Issue No.	223
LM End	23.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			37.979282 °	37.979282 °
				-121.341686 °	-121.341686 °
DWR ID	DWR_NA0017_15_f_2016_223				
Comment Code					
Inspector Comment					
Wrong revetment size was placed by Caltrans in Fall 2012 under permit #18562. An NOV was issued to Caltrans. They repaired the left bank, but have not repaired the right bank of the levee. Caltrans will be responsible for any repairs at this location.					

Photo 1 of 1 : FA_2017_NA0017_159_223_20170921_00110.jpg



View of deteriorating revetments on the waterside toe of the levee. The picture was taken from the opposite side of the levee. Fall 2016

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/13/2017 10/20/2017	Pavel Kazi

LM Start	23.84	Rating **	N	Issue No.	176
LM End	23.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.976483 °	37.976483 °
				-121.345756 °	-121.345756 °
DWR ID	DWR_NA0017_15_s_2012_176				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	24.81	Rating **	A/W	Issue No.	189
LM End	24.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			37.967943 °	37.967943 °
				-121.358711 °	-121.358711 °
DWR ID	DWR_NA0017_15_f_2012_189				
Comment Code					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_159_189_20170921_00095.jpg



Revetments were placed by the LMA on the waterside slope of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	0.69	Rating **	N	Issue No.	216
LM End	0.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.045531 °	38.045531 °
				-121.022881 °	-121.022881 °
DWR ID	DWR_NA0017_16_s_2012_216				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	0.93	Rating **	M	Issue No.	83
LM End	0.95	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.042833 °	38.042833 °
				-121.025776 °	-121.025776 °
DWR ID	NA0017U16RM22.74				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: No significant change observed.					
08/22/2012: The erosion was surveyed and documented for monitoring purpose. There is no levee structure on the site, only high ground protecting the land behind. The levee crest width and levee height were not measured or estimated in the field.					
There is a drainage pipe at the site, which might have caused the problem at one pocket erosion. [2017 Site ID:NA0017U16RM22.74]					

Photo 1 of 4 : SJR2017_NA0017U16RM22.74_1.jpg



View of the site from right river bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	0.93	Rating **	M	Issue No.	83 (cont)
LM End	0.95	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.042833 °	38.042833 °
				-121.025776 °	-121.025776 °
DWR ID	NA0017U16RM22.74				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: No significant change observed.					
08/22/2012: The erosion was surveyed and documented for monitoring purpose. There is no levee structure on the site, only high ground protecting the land behind. The levee crest width and levee height were not measured or estimated in the field.					
There is a drainage pipe at the site, which might have caused the problem at one pocket erosion. [2017 Site ID:NA0017U16RM22.74]					

LM Start	0.93	Rating **	M	Issue No.	83 (cont)
LM End	0.95	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : SJR2017_NA0017U16RM22.74_2.jpg



Close view of the erosion.

Photo 3 of 4 : SJR2017_NA0017U16RM22.74_3.jpg



Close view of the erosion. Note the drainage pipe at the site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	0.93	Rating **	M	Issue No.	83 (cont)
LM End	0.95	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.042833 °	38.042833 °
				-121.025776 °	-121.025776 °
DWR ID	NA0017U16RM22.74				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed. 08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed. 08/22/2012: The erosion was surveyed and documented for monitoring purpose. There is no levee structure on the site, only high ground protecting the land behind. The levee crest width and levee height were not measured or estimated in the field. There is a drainage pipe at the site, which might have caused the problem at one pocket erosion. [2017 Site ID:NA0017U16RM22.74]					

Photo 4 of 4 : SJR2017_NA0017U16RM22.74_4.jpg



Close view of the site.

LM Start	1.12	Rating **	U	Issue No.	82
LM End	1.12	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.040757 °	38.040757 °
				-121.027786 °	-121.027786 °
DWR ID	NA0017U16RM22.58				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed. 08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed. 08/22/2012: The erosion is at the outside corner of a river bend, and next to a tree at the levee toe. Irrigation structure presents at the site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM22.58]					

Photo 1 of 3 : SJR2017_NA0017U16RM22.58_1.jpg



Front view of the erosion. The erosion is next to a tree at the levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	1.12	Rating **	U	Issue No.	82 (cont)
LM End	1.12	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.040757 °	38.040757 °
				-121.027786 °	-121.027786 °
DWR ID	NA0017U16RM22.58				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: No significant change observed.					
08/22/2012: The erosion is at the outside corner of a river bend, and next to a tree at the levee toe. Irrigation structure presents at the site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM22.58]					

Photo 2 of 3 : SJR2017_NA0017U16RM22.58_2.jpg



Close view of the erosion.

LM Start	1.12	Rating **	U	Issue No.	82 (cont)
LM End	1.12	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SJR2017_NA0017U16RM22.58_3.jpg



Front view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	1.67	Rating **	M	Issue No.	80
LM End	1.67	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.038751 °	38.038751 °
				-121.037347 °	-121.037347 °
DWR ID	NA0017U16RM22.15				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: No significant change observed.					
08/22/2012: The berm is estimated at 10 ft. Dense vegetation on site.					
There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM22.15]					

Photo 1 of 4 : SJR2017_NA0017U16RM22.15_1.jpg



Front view of the erosion.

LM Start	1.67	Rating **	M	Issue No.	80 (cont)
LM End	1.67	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : SJR2017_NA0017U16RM22.15_2.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	1.67	Rating **	M	Issue No.	80 (cont)
LM End	1.67	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.038751 °	38.038751 °
				-121.037347 °	-121.037347 °
DWR ID	NA0017U16RM22.15				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: No significant change observed.					
08/22/2012: The berm is estimated at 10 ft. Dense vegetation on site.					
There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM22.15]					

Photo 3 of 4 : SJR2017_NA0017U16RM22.15_3.jpg



Close view of the erosion.

LM Start	1.67	Rating **	M	Issue No.	80 (cont)
LM End	1.67	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : SJR2017_NA0017U16RM22.15_4.jpg



Close view of the erosion. Note the dense vegetation at the site.

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	1.75	Rating **	M	Issue No.	76
LM End	1.76	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.038080 °	38.038080 °
				-121.038676 °	-121.038676 °
DWR ID	NA0017U16RM21.95				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: No significant change observed.					
08/22/2012: The erosion is covered by dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM21.95]					

LM Start	1.75	Rating **	M	Issue No.	76 (cont)
LM End	1.76	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : SJR2017_NA0017U16RM21.95_1.jpg



Front view of the erosion site.

Photo 2 of 4 : SJR2017_NA0017U16RM21.95_2.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	1.75	Rating **	M	Issue No.	76 (cont)	
LM End	1.76	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			38.038080 °	38.038080 °	
				-121.038676 °	-121.038676 °	
DWR ID	NA0017U16RM21.95					
Comment Code						
Inspector Comment						
08/30/2017: No significant change observed.						
08/16/2016: No significant change observed.						
08/12/2015: No significant change observed.						
08/20/2014: No significant change observed.						
09/12/2013: No significant change observed.						
08/22/2012: The erosion is covered by dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM21.95]						

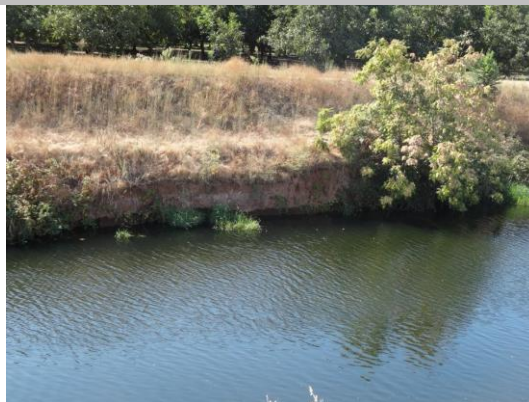
LM Start	1.75	Rating **	M	Issue No.	76 (cont)
LM End	1.76	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : SJR2017_NA0017U16RM21.95_3.jpg



Close view of the erosion.

Photo 4 of 4 : SJR2017_NA0017U16RM21.95_4.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	1.77	Rating **	M	Issue No.	75
LM End	1.78	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.037906 °	38.037906 °
				-121.038949 °	-121.038949 °
DWR ID	NA0017U16RM21.94				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed. The site is covered by dense vegetation.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed					
09/12/2013: No significant change observed.					
08/22/2012: Site is covered by dense vegetation. Berm width is estimated as 5 ft. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field.					
[2017 Site ID:NA0017U16RM21.94]					

LM Start	1.77	Rating **	M	Issue No.	75 (cont)
LM End	1.78	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : SJR2017_NA0017U16RM21.94_1.jpg



Looking at the erosion from right river bank.

Photo 2 of 4 : SJR2017_NA0017U16RM21.94_2.jpg



Front view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	1.77	Rating **	M	Issue No.	75 (cont)
LM End	1.78	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.037906 °	38.037906 °
				-121.038949 °	-121.038949 °
DWR ID	NA0017U16RM21.94				

Comment Code

Inspector Comment

08/30/2017: No significant change observed. The site is covered by dense vegetation.
 08/16/2016: No significant change observed.
 08/12/2015: No significant change observed.
 08/20/2014: No significant change observed.
 09/12/2013: No significant change observed.
 08/22/2012: Site is covered by dense vegetation. Berm width is estimated as 5 ft. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field.
 [2017 Site ID:NA0017U16RM21.94]

LM Start	1.77	Rating **	M	Issue No.	75 (cont)
LM End	1.78	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : SJR2017_NA0017U16RM21.94_3.jpg



Close view of the erosion.

Photo 4 of 4 : SJR2017_NA0017U16RM21.94_4.jpg



Close view of the erosion. Note the dense vegetation at the site.

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	1.88	Rating **	M	Issue No.	74
LM End	1.90	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.036549 °	38.036549 °
				-121.040302 °	-121.040302 °
DWR ID	NA0017U16RM21.05				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed. 08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed. 08/22/2012: Berm width is estimated as 5 ft. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM21.05]					

LM Start	1.88	Rating **	M	Issue No.	74 (cont)
LM End	1.90	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : SJR2017_NA0017U16RM21.05_1.jpg



Front view of the erosion

Photo 2 of 4 : SJR2017_NA0017U16RM21.05_2.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	1.88	Rating **	M	Issue No.	74 (cont)	
LM End	1.90	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			38.036549 °	38.036549 °	
				-121.040302 °	-121.040302 °	
DWR ID	NA0017U16RM21.05					
Comment Code						
Inspector Comment						
08/30/2017: No significant change observed. 08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed. 08/22/2012: Berm width is estimated as 5 ft. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM21.05]						

LM Start	1.88	Rating **	M	Issue No.	74 (cont)
LM End	1.90	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : SJR2017_NA0017U16RM21.05_3.jpg



Front view of the erosion.

Photo 4 of 4 : SJR2017_NA0017U16RM21.05_4.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	1.91	Rating **	C	Issue No.	155
LM End	1.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.036248 °	38.036248 °
				-121.040408 °	-121.040408 °
DWR ID	DWR_NA0017_16_f_2013_155				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

LM Start	2.30	Rating **	U	Issue No.	66
LM End	2.31	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.032202 °	38.032202 °
				-121.045226 °	-121.045226 °
DWR ID	NA0017U16RM20.62				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change has been observed.					
09/12/2013: No significant change observed.					
08/22/2012: The erosion was first reported in the 2012 spring levee inspection report. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field.					
[2017 Site ID:NA0017U16RM20.62]					

Photo 1 of 4 : SJR2017_NA0017U16RM20.62_1.jpg



Front view of the site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	2.30	Rating **	U	Issue No.	66 (cont)	
LM End	2.31	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			38.032202 °		38.032202 °
				-121.045226 °		-121.045226 °
DWR ID	NA0017U16RM20.62					
Comment Code						
Inspector Comment						
08/30/2017: No significant change observed.						
08/16/2016: No significant change observed.						
08/12/2015: No significant change observed.						
08/20/2014: No significant change has been observed.						
09/12/2013: No significant change observed.						
08/22/2012: The erosion was first reported in the 2012 spring levee inspection report. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field.						
[2017 Site ID:NA0017U16RM20.62]						

LM Start	2.30	Rating **	U	Issue No.	66 (cont)
LM End	2.31	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : SJR2017_NA0017U16RM20.62_2.jpg



Close view of the erosion. Note the vegetation at the site.

Photo 3 of 4 : SJR2017_NA0017U16RM20.62_3.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	2.30	Rating **	U	Issue No.	66 (cont)	
LM End	2.31	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			38.032202 °	38.032202 °	
				-121.045226 °	-121.045226 °	
DWR ID	NA0017U16RM20.62					
Comment Code						
Inspector Comment						
08/30/2017: No significant change observed.						
08/16/2016: No significant change observed.						
08/12/2015: No significant change observed.						
08/20/2014: No significant change has been observed.						
09/12/2013: No significant change observed.						
08/22/2012: The erosion was first reported in the 2012 spring levee inspection report. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field.						
[2017 Site ID:NA0017U16RM20.62]						

Photo 4 of 4 : SJR2017_NA0017U16RM20.62_4.jpg



Close view of the site.

LM Start	2.30	Rating **	M	Issue No.	70
LM End	2.31	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.033072 °	38.033072 °
				-121.044970 °	-121.044970 °
DWR ID	NA0017U16RM20.71				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: No significant change observed.					
08/22/2012: Site is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM20.71]					

Photo 1 of 4 : SJR2017_NA0017U16RM20.71_1.jpg



Front view of the site from the levee top on the other side of the river.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	2.30	Rating **	M	Issue No.	70 (cont)
LM End	2.31	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.033072 °	38.033072 °
				-121.044970 °	-121.044970 °
DWR ID	NA0017U16RM20.71				

Comment Code

Inspector Comment

08/30/2017: No significant change observed.
 08/16/2016: No significant change observed.
 08/12/2015: No significant change observed.
 08/20/2014: No significant change observed.
 09/12/2013: No significant change observed.
 08/22/2012: Site is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM20.71]

LM Start	2.30	Rating **	M	Issue No.	70 (cont)
LM End	2.31	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : SJR2017_NA0017U16RM20.71_2.jpg



Close view of the erosion. Site is covered with vegetation and trees.

Photo 3 of 4 : SJR2017_NA0017U16RM20.71_3.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	2.30	Rating **	M	Issue No.	70 (cont)	
LM End	2.31	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			38.033072 °	38.033072 °	
				-121.044970 °	-121.044970 °	
DWR ID	NA0017U16RM20.71					
Comment Code						
Inspector Comment						
<p>08/30/2017: No significant change observed.</p> <p>08/16/2016: No significant change observed.</p> <p>08/12/2015: No significant change observed.</p> <p>08/20/2014: No significant change observed.</p> <p>09/12/2013: No significant change observed.</p> <p>08/22/2012: Site is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM20.71]</p>						

A photograph showing a grassy field with a line of trees in the background. The foreground is filled with dry, brown grass and some green shrubs. The background shows a dense line of trees under a clear sky.

Close view of the site.

LM Start	2.35	Rating **	A/W	Issue No.	213
LM End	2.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.031763 °	38.031763 °
				-121.045808 °	-121.045808 °
DWR ID	DWR_NA0017_16_f_2012_213				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

A photograph showing a riverbank with a small tree and a date stamp. The tree has yellow flowers and is growing on a sandy bank. The river is visible in the background. A date stamp in the bottom right corner reads "10/12/2010".

Updated picture of the slope instability on the waterside shoulder of the levee looking upstream.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	2.35	Rating **	A/W	Issue No.	213 (cont)	
LM End	2.35	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Slope Stability			38.031763 °	38.031763 °	
				-121.045808 °	-121.045808 °	
DWR ID	DWR_NA0017_16_f_2012_213					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						

Photo 2 of 2 : FA_2017_NA0017_160_213_20171016_00143.jpg



Slope instability was found on the waterside of the levee looking upstream.

LM Start	2.44	Rating **	M	Issue No.	247
LM End	2.44	Issue Type +	Ma	Location *	
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			38.030668 °	38.030668 °
				-121.046842 °	-121.046842 °
DWR ID	DWR_NA0017_16_f_2017_247				
Comment Code					
Inspector Comment					
Arundo in the channel may slow the capacity of the channel.					

Photo 1 of 1 : FA_2017_NA0017_160_247_20171027_00431.jpg



View of arundo in the channel looking downstream. Fall 2017

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	2.45	Rating **	M	Issue No.	806
LM End	2.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.030548 °	38.030548 °
				-121.046998 °	-121.046998 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35551					
DS_ID:23323					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Heavy vegetation obscuring outlet. remove vegetation and verify flapgate installed.					
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe, 3 feet below the roadway. Grouted spillway. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 2.52)].					
FS Date: 4/24/2014					

Photo 1 of 2 : UCIP_FA_2017_35551_64000.jpg



Pipe visible on LS toe.

LM Start	2.45	Rating **	M	Issue No.	806 (cont)
LM End	2.45	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_FA_2017_35551_63999.jpg



Grout over pipe on WS. Heavy vegetation blocking view of outlet.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	2.85	Rating **	U	Issue No.	64 (cont)
LM End	2.91	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.026670 °	38.026670 °
				-121.053031 °	-121.053031 °
DWR ID	NA0017U16RM20				

Comment Code

Inspector Comment

08/30/2017: No significant change observed.
 08/16/2016: No significant change observed.
 08/12/2015: No significant change observed.
 08/20/2014: No significant change observed.
 09/12/2013: No significant change observed.
 08/22/2012: Site Comprised of series of pocket and scarp erosions. Some of erosions are covered by grass or shrubs. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM20]

LM Start	2.85	Rating **	U	Issue No.	64 (cont)
LM End	2.91	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : SJR2017_NA0017U16RM20_2.jpg



Close view of the erosion.

Photo 3 of 4 : SJR2017_NA0017U16RM20_3.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	2.85	Rating **	U	Issue No.	64 (cont)
LM End	2.91	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.026670 °	38.026670 °
				-121.053031 °	-121.053031 °
DWR ID	NA0017U16RM20				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed. 08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed. 08/22/2012: Site Comprised of series of pocket and scarp erosions. Some of erosions are covered by grass or shrubs. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM20]					

Photo 4 of 4 : SJR2017_NA0017U16RM20_4.jpg



Close view of the scarp erosion. Note the small tree at the erosion site.

LM Start	3.14	Rating **	M	Issue No.	252
LM End	3.14	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.024234 °	38.024234 °
				-121.056615 °	-121.056615 °
DWR ID	DWR_NA0017_16_f_2017_252				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes may damage the patrol road.					

Photo 1 of 1 : FA_2017_NA0017_160_252_20171027_00432.jpg



View rodent holes on the crown of the levee looking downstream. Fall 2017

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	3.16	Rating **	C	Issue No.	231
LM End	3.16	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.024057 °	38.024057 °
				-121.056860 °	-121.056860 °
DWR ID	DWR_NA0017_16_f_2016_231				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	3.48	Rating **	A/W	Issue No.	152
LM End	3.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.020965 °	38.020965 °
				-121.061215 °	-121.061215 °
DWR ID	DWR_NA0017_16_f_2013_152				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arundo was obstructing the inspection of the channel from the patrol road.					

Photo 1 of 1 : FA_2017_NA0017_160_152_20171016_00124.jpg



Arundo was found on the waterside toe of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	3.53	Rating **	A/W	Issue No.	230
LM End	3.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.020433 °	38.020433 °
				-121.061867 °	-121.061867 °
DWR ID	DWR_NA0017_16_f_2012_230				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
This portion of the levee is non-project. Therefore, an A/W rating was given.					

Photo 1 of 2 : FA_2017_NA0017_160_230_20171016_00146.jpg



Slope instability was found on the waterside slope of the levee looking downstream.

LM Start	3.53	Rating **	A/W	Issue No.	230 (cont)
LM End	3.53	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2017_NA0017_160_230_20171016_00147.jpg



Erosion was found on the waterside slope of the levee looking upstream.

LM Start	3.61	Rating **	M	Issue No.	54
LM End	3.61	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.019642 °	38.019642 °
				-121.062917 °	-121.062917 °
DWR ID	NA0017U16RM19.29				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: A pocket erosion was found near the water's edge. [2017					
Site ID:NA0017U16RM19.29]					

Photo 1 of 4 : SJR2017_NA0017U16RM19.29_1.jpg



View of the site from right river bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	3.61	Rating **	M	Issue No.	54 (cont)
LM End	3.61	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.019642 °	38.019642 °
				-121.062917 °	-121.062917 °
DWR ID	NA0017U16RM19.29				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: A pocket erosion was found near the water's edge. [2017					
Site ID:NA0017U16RM19.29]					

LM Start	3.61	Rating **	M	Issue No.	54 (cont)
LM End	3.61	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : SJR2017_NA0017U16RM19.29_2.jpg



Close view of the erosion.

Photo 3 of 4 : SJR2017_NA0017U16RM19.29_3.jpg



Close view of the erosion. Note the dense vegetation at the site.

LM Start	3.61	Rating **	M	Issue No.	54 (cont)
LM End	3.61	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : SJR2017_NA0017U16RM19.29_4.jpg



Close view of the site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	3.78	Rating **	M	Issue No.	49
LM End	3.80	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.017715 °	38.017715 °
				-121.065011 °	-121.065011 °
DWR ID	NA0017U16RM19.18				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed at the erosion. More vegetation observed at the site.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: No significant change observed.					
08/22/2012: River-induced erosion occurred on the berm, while the runoff-induced erosion occurred on the levee slope. Site is covered with vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM19.18]					

LM Start	3.78	Rating **	M	Issue No.	49 (cont)
LM End	3.80	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : SJR2017_NA0017U16RM19.18_1.jpg



View of the site from right river bank.

Photo 2 of 4 : SJR2017_NA0017U16RM19.18_2.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	3.78	Rating **	M	Issue No.	49 (cont)
LM End	3.80	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.017715 °	38.017715 °
				-121.065011 °	-121.065011 °
DWR ID	NA0017U16RM19.18				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed at the erosion. More vegetation observed at the site.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: No significant change observed.					
08/22/2012: River-induced erosion occurred on the berm, while the runoff-induced erosion occurred on the levee slope. Site is covered with vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM19.18]					

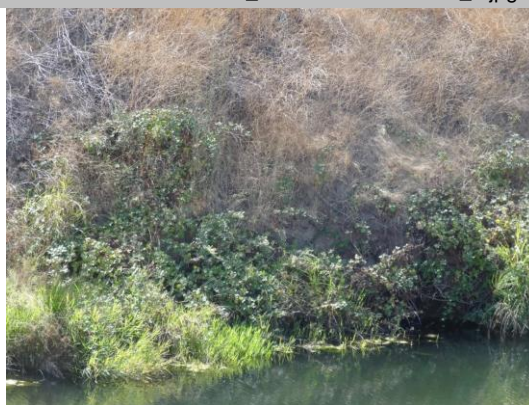
LM Start	3.78	Rating **	M	Issue No.	49 (cont)
LM End	3.80	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : SJR2017_NA0017U16RM19.18_3.jpg



Front view of the erosion at the berm.

Photo 4 of 4 : SJR2017_NA0017U16RM19.18_4.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	4.16	Rating **	A/W	Issue No.	242 (cont)
LM End	4.16	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.012910 °	38.012910 °
				-121.067996 °	-121.067996 °
DWR ID	DWR_NA0017_16_f_2017_242				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion is on the waterside slope; The lat, long above are from the Spring DWR inspection report which took the photo and GPS from the right bank. The erosion is on the left bank.					
Site ID No:475					
Site Designation:LMA-302					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/27/2017					
Notes: Small levee prism which turns into high ground nearby. Very dense vegetation on crown (5 ft tall). Opposite bank is lower than the eroded levee and is designed to flood the nearby orchard. This is thought to be caused by a beaver den and has been cited in past 2 DWR inspections.					

Photo 3 of 3 : LEVAL_FA_2017_475_2260.jpg



LM Start	4.16	Rating **	U	Issue No.	47
LM End	4.18	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.012792 °	38.012792 °
				-121.068073 °	-121.068073 °
DWR ID	NA0017U16RM18.69				
Comment Code					
Inspector Comment					
08/30/2017: New erosion observed at the site, under the irrigation pipe.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: No significant change observed.					
08/22/2012: An irrigation pipe is present at the site, but probably did not cause the erosion. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field.					
[2017 Site ID:NA0017U16RM18.69]					

Photo 1 of 4 : SJR2017_NA0017U16RM18.69_1.jpg



View of the erosion site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	4.16	Rating **	U	Issue No.	47 (cont)	
LM End	4.18	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			38.012792 °		38.012792 °
				-121.068073 °		-121.068073 °
DWR ID	NA0017U16RM18.69					
Comment Code						
Inspector Comment						
08/30/2017: New erosion observed at the site, under the irrigation pipe.						
08/16/2016: No significant change observed.						
08/12/2015: No significant change observed.						
08/20/2014: No significant change observed.						
09/12/2013: No significant change observed.						
08/22/2012: An irrigation pipe is present at the site, but probably did not cause the erosion. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field.						
[2017 Site ID:NA0017U16RM18.69]						

LM Start	4.16	Rating **	U	Issue No.	47 (cont)
LM End	4.18	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : SJR2017_NA0017U16RM18.69_2.jpg



View of the new erosion erosion under the irrigation pipe.

Photo 3 of 4 : SJR2017_NA0017U16RM18.69_3.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	4.20	Rating **	A/W	Issue No.	228 (cont)	
LM End	4.20	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.012288 °		38.012288 °
				-121.068239 °		-121.068239 °
DWR ID	DWR_NA0017_16_f_2012_228					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
This portion of the levee is non-project. Therefore, an A/W rating was given.						

Photo 2 of 2 : FA_2017_NA0017_160_228_20171016_00145.jpg



Slope instability was found on the waterside shoulder of the levee looking downstream.

LM Start	4.27	Rating **	A/W	Issue No.	73
LM End	4.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.011288 °	38.011288 °
				-121.068579 °	-121.068579 °
DWR ID	DWR_NA0017_16_s_2013_73				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
The erosion may cut into the access road if it is not repaired.					

Photo 1 of 2 : FA_2017_NA0017_160_73_20171016_00072.jpg



Updated picture of the erosion on the waterside of the levee. Spring 2017

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	4.27	Rating **	A/W	Issue No.	73 (cont)	
LM End	4.27	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.011288 °	38.011288 °	
				-121.068579 °	-121.068579 °	
DWR ID	DWR_NA0017_16_s_2013_73					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
The erosion may cut into the access road if it is not repaired.						

Photo 2 of 2 : FA_2017_NA0017_160_73_20171016_00073.jpg



View of the erosion on the waterside shoulder of the levee during spring 2016 inspection.

LM Start	4.30	Rating **	A	Issue No.	278
LM End	4.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.010918 °	38.010918 °
				-121.068686 °	-121.068686 °
DWR ID	DWR_NA0017_16_s_2017_278				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
LMA repaired the erosion at this location.					

Photo 1 of 2 : FA_2017_NA0017_160_278_20171027_00434.jpg



LMA has repaired the erosion on the waterside shoulder of the levee. Fall 2017

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	4.30	Rating **	A	Issue No.	278 (cont)	
LM End	4.30	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Erosion / Bank Caving			38.010918 °	38.010918 °	
				-121.068686 °	-121.068686 °	
DWR ID	DWR_NA0017_16_s_2017_278					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
LMA repaired the erosion at this location.						

Photo 2 of 2 : FA_2017_NA0017_160_278_20171016_00184.jpg



View of the erosion on the waterside shoulder of the levee. Spring 2017

LM Start	4.38	Rating **	A/W	Issue No.	243
LM End	4.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.009861 °	38.009861 °
				-121.069021 °	-121.069021 °
DWR ID	DWR_NA0017_16_f_2016_243				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
The erosion may cut into the access road if it is not repaired.					

Photo 1 of 1 : FA_2017_NA0017_160_243_20171016_00151.jpg



View of the erosion on the waterside slope of the levee. Fall 2016

LM Start	4.85	Rating **	A/W	Issue No.	245
LM End	4.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.003673 °	38.003673 °
				-121.072496 °	-121.072496 °
DWR ID	DWR_NA0017_16_s_2015_245				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Observe to make sure the erosion doesn't cut into the access road.					

Photo 1 of 1 : FA_2017_NA0017_160_245_20171016_00152.jpg



View of erosion on the waterside slope of the levee looking downstream.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	4.86	Rating **	C	Issue No.	43
LM End	4.86	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.003624 °	38.003624 °
				-121.072585 °	-121.072585 °
DWR ID	NA0017U16RM17.99				
Comment Code					
Inspector Comment					
08/30/2017: No sign of new erosion observed at the repaired site. 08/16/2016: This site was repaired recently. No sign of new erosion observed at the repaired site. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: Site has been surveyed and the pocket erosion has developed toward levee crest. 08/22/2012: A pocket erosion at the levee toe and on lower slope. The levee surface at the upper slope also shows signs of erosion due to poor maintenance. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM17.99]					

No Photos

LM Start	5.20	Rating **	A/W	Issue No.	265
LM End	5.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.999537 °	37.999537 °
				-121.076133 °	-121.076133 °
DWR ID	DWR_NA0017_16_f_2014_265				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
This portion of the levee is non-project. Therefore, an A/W rating was given.					

Photo 1 of 1 : FA_2017_NA0017_160_265_20171016_00169.jpg



A slope instability was found on the waterside slope of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	5.29	Rating **	N	Issue No.	226
LM End	5.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.998515 °	37.998515 °
				-121.077104 °	-121.077104 °
DWR ID	DWR_NA0017_16_f_2012_226				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	5.29	Rating **	N	Issue No.	195
LM End	5.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.998517 °	37.998517 °
				-121.077116 °	-121.077116 °
DWR ID	DWR_NA0017_16_s_2012_195				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	5.33	Rating **	M	Issue No.	42
LM End	5.38	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.997720 °	37.997720 °
				-121.077807 °	-121.077807 °
DWR ID	NA0017U16RM17.81				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: No significant change observed.					
08/22/2012: The site is located at the opposite river bank of E. Tobacco Road. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM17.81]					

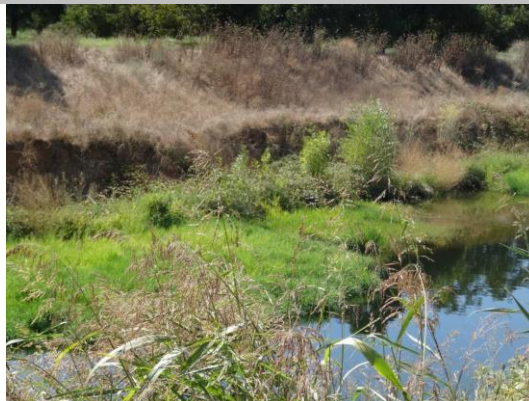
LM Start	5.33	Rating **	M	Issue No.	42 (cont)
LM End	5.38	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : SJR2017_NA0017U16RM17.81_1.jpg



Upstream view of the site from right river bank.

Photo 2 of 4 : SJR2017_NA0017U16RM17.81_2.jpg



Close view of the site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	5.33	Rating **	M	Issue No.	42 (cont)	
LM End	5.38	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.997720 °	37.997720 °	
				-121.077807 °	-121.077807 °	
DWR ID	NA0017U16RM17.81					
Comment Code						
Inspector Comment						
08/30/2017: No significant change observed.						
08/16/2016: No significant change observed.						
08/12/2015: No significant change observed.						
08/20/2014: No significant change observed.						
09/12/2013: No significant change observed.						
08/22/2012: The site is located at the opposite river bank of E. Tobacco Road. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM17.81]						

Photo 3 of 4 : SJR2017_NA0017U16RM17.81_3.jpg



Close view of the erosion.

LM Start	5.33	Rating **	M	Issue No.	42 (cont)
LM End	5.38	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : SJR2017_NA0017U16RM17.81_4.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	5.48	Rating **	M	Issue No.	814
LM End	5.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.996132 °	37.996132 °
				-121.079127 °	-121.079127 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35686 DS_ID:23332 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and if so should be done so properly. LS of pipe is burried and WS is badly rusted. Pipe should be inspected internally. FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal drainage pipe through the levee, 3 feet below the crown. Grout over pipe in channel with pipe open and visible in water at the WS toe. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 5.69)]. FS Date: 4/30/2014					

Photo 1 of 3 : UCIP_FA_2017_35686_64327.jpg



Pipe visible in water at WS toe.

LM Start	5.48	Rating **	M	Issue No.	814 (cont)
LM End	5.48	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_35686_64326.jpg



Grout over pipe in channel on WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	5.48	Rating **	M	Issue No.	814 (cont)	
LM End	5.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.996132 °	37.996132 °	
				-121.079127 °	-121.079127 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:35686						
DS_ID:23332						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe appears abandoned and if so should be done so properly. LS of pipe is burried and WS is badly rusted. Pipe should be inspected internally.						
FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal drainage pipe through the levee, 3 feet below the crown. Grout over pipe in channel with pipe open and visible in water at the WS toe.						
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 5.69)].						
FS Date: 4/30/2014						

Photo 3 of 3 : UCIP_FA_2017_35686_64325.jpg



Grout over pipe in channel on WS.

LM Start	5.56	Rating **	U	Issue No.	41
LM End	5.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.995216 °	37.995216 °
				-121.080159 °	-121.080159 °
DWR ID	NA0017U16RM17.27				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: The erosion seems to be caused by high river flow. Dense vegetation is present at the site. Signs of animal activities are visible. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM17.27]					

Photo 1 of 4 : SJR2017_NA0017U16RM17.27_1.jpg



View of the erosion from right river bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	5.56	Rating **	U	Issue No.	41 (cont)
LM End	5.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.995216 °	37.995216 °
				-121.080159 °	-121.080159 °
DWR ID	NA0017U16RM17.27				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed. 08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: The erosion seems to be caused by high river flow. Dense vegetation is present at the site. Signs of animal activities are visible. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM17.27]					

LM Start	5.56	Rating **	U	Issue No.	41 (cont)
LM End	5.58	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : SJR2017_NA0017U16RM17.27_2.jpg



Close view of the erosion site.

Photo 3 of 4 : SJR2017_NA0017U16RM17.27_3.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	5.56	Rating **	U	Issue No.	41 (cont)
LM End	5.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.995216 °	37.995216 °
				-121.080159 °	-121.080159 °
DWR ID	NA0017U16RM17.27				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: The erosion seems to be caused by high river flow. Dense vegetation is present at the site. Signs of animal activities are visible. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM17.27]					

Photo 4 of 4 : SJR2017_NA0017U16RM17.27_4.jpg



Close view of the erosion.

LM Start	5.71	Rating **	M	Issue No.	40
LM End	5.72	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.993525 °	37.993525 °
				-121.081679 °	-121.081679 °
DWR ID	NA0017U16RM17.11				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: The erosion is near a tree and probably has been made worse by the unstable bank slope. [2017 Site ID:NA0017U16RM17.11]					

Photo 1 of 4 : SJR2017_NA0017U16RM17.11_1.jpg



View of the site from right river bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	5.71	Rating **	M	Issue No.	40 (cont)
LM End	5.72	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.993525 °	37.993525 °
				-121.081679 °	-121.081679 °
DWR ID	NA0017U16RM17.11				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: The erosion is near a tree and probably has been made worse by the unstable bank slope. [2017 Site ID:NA0017U16RM17.11]					

LM Start	5.71	Rating **	M	Issue No.	40 (cont)
LM End	5.72	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : SJR2017_NA0017U16RM17.11_2.jpg



Close view of the erosion.

Photo 3 of 4 : SJR2017_NA0017U16RM17.11_3.jpg



Close view of the erosion.

LM Start	5.71	Rating **	M	Issue No.	40 (cont)
LM End	5.72	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : SJR2017_NA0017U16RM17.11_4.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	5.87	Rating **	A/W	Issue No.	264
LM End	5.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.991628 °	37.991628 °
				-121.083312 °	-121.083312 °
DWR ID	DWR_NA0017_16_f_2014_264				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
This portion of the levee is non-project. Therefore, an A/W rating was given.					

Photo 1 of 1 : FA_2017_NA0017_160_264_20171016_00168.jpg



A slope instability was found on the waterside of the levee looking upstream.

LM Start	6.15	Rating **	C	Issue No.	170
LM End	6.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.988385 °	37.988385 °
				-121.086292 °	-121.086292 °
DWR ID	DWR_NA0017_16_s_2012_170				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	6.49	Rating **	U	Issue No.	39
LM End	6.68	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.983279 °	37.983279 °
				-121.090843 °	-121.090843 °
DWR ID	NA0017U16RM16.27				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: Site has been surveyed and the erosion has worsened since last year.					
08/22/2012: Discontinuous scarp or pocket erosions occurred along a long stretch of the river, with an erosion height greater than 25 ft. at certain points. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM16.27]					

LM Start	6.49	Rating **	U	Issue No.	39 (cont)
LM End	6.68	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : SJR2017_NA0017U16RM16.27_1.jpg



Upstream view of the site from right river bank.

Photo 2 of 4 : SJR2017_NA0017U16RM16.27_2.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	6.49	Rating **	U	Issue No.	39 (cont)	
LM End	6.68	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.983279 °	37.983279 °	
				-121.090843 °	-121.090843 °	
DWR ID	NA0017U16RM16.27					
Comment Code						
Inspector Comment						
08/30/2017: No significant change observed.						
08/16/2016: No significant change observed.						
08/12/2015: No significant change observed.						
08/20/2014: No significant change observed.						
09/12/2013: Site has been surveyed and the erosion has worsened since last year.						
08/22/2012: Discontinuous scarp or pocket erosions occurred along a long stretch of the river, with an erosion height greater than 25 ft. at certain points. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM16.27]						

LM Start	6.49	Rating **	U	Issue No.	39 (cont)
LM End	6.68	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : SJR2017_NA0017U16RM16.27_3.jpg



Front view of the erosion.

Photo 4 of 4 : SJR2017_NA0017U16RM16.27_4.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	6.70	Rating **	A/W	Issue No.	120
LM End	6.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.982299 °	37.982299 °
				-121.092665 °	-121.092665 °
DWR ID	DWR_NA0017_16_s_2014_120				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
This portion of the levee is non-project. Therefore, an A/W rating was given.					

Photo 1 of 2 : FA_2017_NA0017_160_120_20171016_00107.jpg



Updated picture of the slope instability on the waterside of the levee looking downstream.

LM Start	6.70	Rating **	A/W	Issue No.	120 (cont)
LM End	6.70	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2017_NA0017_160_120_20171016_00108.jpg



Slope instability was found on the waterside of the levee looking upstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	7.27	Rating **	U	Issue No.	38
LM End	7.33	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.978194 °	37.978194 °
				-121.101696 °	-121.101696 °
DWR ID	NA0017U16RM15.57				

Comment Code

Inspector Comment

08/30/2017: No significant change observed.
 08/16/2016: No significant change observed.
 08/12/2015: No significant change observed.
 08/20/2014: No significant change observed. Note the site ID changed from NA0017U16RM10.82 to NA0017U16RM15.57 to reflect the correct river mile.
 09/12/2013: The site is located at immediately downstream of a levee segment protected by broken concrete. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM15.57]

LM Start	7.27	Rating **	U	Issue No.	38 (cont)
LM End	7.33	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : SJR2017_NA0017U16RM15.57_1.jpg



View of the site from right river bank.

Photo 2 of 4 : SJR2017_NA0017U16RM15.57_2.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	7.27	Rating **	U	Issue No.	38 (cont)
LM End	7.33	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.978194 °	37.978194 °
				-121.101696 °	-121.101696 °
DWR ID	NA0017U16RM15.57				

Comment Code

Inspector Comment

08/30/2017: No significant change observed.
 08/16/2016: No significant change observed.
 08/12/2015: No significant change observed.
 08/20/2014: No significant change observed. Note the site ID changed from NA0017U16RM10.82 to NA0017U16RM15.57 to reflect the correct river mile.
 09/12/2013: The site is located at immediately downstream of a levee segment protected by broken concrete. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM15.57]

LM Start	7.27	Rating **	U	Issue No.	38 (cont)
LM End	7.33	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : SJR2017_NA0017U16RM15.57_3.jpg



Close view of the erosion.

Photo 4 of 4 : SJR2017_NA0017U16RM15.57_4.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	7.39	Rating **	C	Issue No.	246
LM End	7.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.977610 °	37.977610 °
				-121.103159 °	-121.103159 °
DWR ID	DWR_NA0017_16_s_2015_246				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion may cut into the access road.					

No Photos

LM Start	7.42	Rating **	C	Issue No.	237
LM End	7.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.977421 °	37.977421 °
				-121.103507 °	-121.103507 °
DWR ID	DWR_NA0017_16_f_2015_237				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion may cut into the access road.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	7.84	Rating **	A/W	Issue No.	275
LM End	7.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.973620 °	37.973620 °
				-121.109680 °	-121.109680 °
DWR ID	DWR_NA0017_16_s_2016_275				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion may cut into the access road.					

Photo 1 of 2 : FA_2017_NA0017_160_275_20171016_00179.jpg



View of the erosion caused by rodent holes on the waterside shoulder of the levee looking upstream. Fall 2016

LM Start	7.84	Rating **	A/W	Issue No.	275 (cont)
LM End	7.84	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2017_NA0017_160_275_20171016_00180.jpg



View of a rodent hole on the waterside shoulder of the levee.

LM Start	8.17	Rating **	M	Issue No.	255
LM End	8.17	Issue Type +	Ma	Location *	
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			37.970427 °	37.970427 °
				-121.113623 °	-121.113623 °
DWR ID	DWR_NA0017_16_f_2017_255				
Comment Code					
Inspector Comment					
Woody vegetation may impede the flow of the channel at this location.					

Photo 1 of 1 : FA_2017_NA0017_160_255_20171027_00435.jpg



View of woody vegetation on the channel looking upstream. Fall 2017

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	8.34	Rating **	M	Issue No.	37
LM End	8.38	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.969213 °	37.969213 °	
			-121.116574 °	-121.116574 °	
DWR ID	NA0017U16RM14.48				

Comment Code

Inspector Comment

08/30/2017: No significant change observed.
 08/16/2016: No significant change observed.
 08/12/2015: No significant change observed.
 08/20/2014: No significant change observed.
 09/12/2013: No significant change observed.
 08/22/2012: The erosion occurred on a berm of approximately 25 ft. wide. Site is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM14.48]

LM Start	8.34	Rating **	M	Issue No.	37 (cont)
LM End	8.38	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : SJR2017_NA0017U16RM14.48_1.jpg



View of the site from right river bank.

Photo 2 of 4 : SJR2017_NA0017U16RM14.48_2.jpg



Front view of the erosion.

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	8.34	Rating **	M	Issue No.	37 (cont)
LM End	8.38	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.969213 °	37.969213 °
				-121.116574 °	-121.116574 °
DWR ID	NA0017U16RM14.48				

Comment Code

Inspector Comment

08/30/2017: No significant change observed.
 08/16/2016: No significant change observed.
 08/12/2015: No significant change observed.
 08/20/2014: No significant change observed.
 09/12/2013: No significant change observed.
 08/22/2012: The erosion occurred on a berm of approximately 25 ft. wide. Site is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM14.48]

LM Start	8.34	Rating **	M	Issue No.	37 (cont)
LM End	8.38	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : SJR2017_NA0017U16RM14.48_3.jpg



Close view of the erosion.

Photo 4 of 4 : SJR2017_NA0017U16RM14.48_4.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	8.60	Rating **	A/W	Issue No.	128
LM End	8.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.968157 °	37.968157 °
				-121.120620 °	-121.120620 °
DWR ID	DWR_NA0017_16_s_2013_128				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
This portion of the levee is non-project. Therefore, an A/W rating was given.					

Photo 1 of 2 : FA_2017_NA0017_160_128_20171016_00113.jpg



Updated picture of the slope instability on the waterside of the levee looking upstream during spring 2014 inspection.

LM Start	8.60	Rating **	A/W	Issue No.	128 (cont)
LM End	8.60	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2017_NA0017_160_128_20171016_00114.jpg



Slope instability was found on the waterside slope of the levee looking downstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	8.68	Rating **	A/W	Issue No.	248
LM End	8.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.968169 °	37.968169 °
				-121.122047 °	-121.122047 °
DWR ID	DWR_NA0017_16_s_2015_248				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion may cut into the access road.					

Photo 1 of 1 : FA_2017_NA0017_160_248_20171016_00155.jpg



Erosion was found on the waterside looking downstream.

LM Start	9.00	Rating **	M	Issue No.	36
LM End	9.00	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.966615 °	37.966615 °
				-121.127328 °	-121.127328 °
DWR ID	NA0017U16RM13.86				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: No significant change observed.					
08/22/2012: Pocket erosion at the levee toe and slope. The erosion is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM13.86]					

Photo 1 of 4 : SJR2017_NA0017U16RM13.86_1.jpg



Front view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	9.00	Rating **	M	Issue No.	36 (cont)	
LM End	9.00	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			37.966615 °		37.966615 °
				-121.127328 °		-121.127328 °
DWR ID	NA0017U16RM13.86					
Comment Code						
Inspector Comment						
08/30/2017: No significant change observed.						
08/16/2016: No significant change observed.						
08/12/2015: No significant change observed.						
08/20/2014: No significant change observed.						
09/12/2013: No significant change observed.						
08/22/2012: Pocket erosion at the levee toe and slope. The erosion is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM13.86]						

Photo 2 of 4 : SJR2017_NA0017U16RM13.86_2.jpg



Close view of the erosion.

LM Start	9.00	Rating **	M	Issue No.	36 (cont)
LM End	9.00	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : SJR2017_NA0017U16RM13.86_3.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	9.00	Rating **	M	Issue No.	36 (cont)	
LM End	9.00	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			37.966615 °		37.966615 °
				-121.127328 °		-121.127328 °
DWR ID	NA0017U16RM13.86					
Comment Code						
Inspector Comment						
08/30/2017: No significant change observed.						
08/16/2016: No significant change observed.						
08/12/2015: No significant change observed.						
08/20/2014: No significant change observed.						
09/12/2013: No significant change observed.						
08/22/2012: Pocket erosion at the levee toe and slope. The erosion is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM13.86]						

Photo 4 of 4 : SJR2017_NA0017U16RM13.86_4.jpg



Close view of the erosion. Note the dense vegetation at the site.

LM Start	9.03	Rating **	U	Issue No.	27
LM End	9.03	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.966661 °	37.966661 °
				-121.127864 °	-121.127864 °
DWR ID	NA0017U16RM13.85				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: The erosion might have been caused by river flow combined with runoff. Dense vegetation is presents at the site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM13.85]					

Photo 1 of 4 : SJR2017_NA0017U16RM13.85_1.jpg



View of the site from right river bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	9.03	Rating **	U	Issue No.	27 (cont)
LM End	9.03	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.966661 °	37.966661 °
				-121.127864 °	-121.127864 °
DWR ID	NA0017U16RM13.85				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed. 08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: The erosion might have been caused by river flow combined with runoff. Dense vegetation is presents at the site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM13.85]					

Photo 2 of 4 : SJR2017_NA0017U16RM13.85_2.jpg



Close view of the erosion.

LM Start	9.03	Rating **	U	Issue No.	27 (cont)
LM End	9.03	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : SJR2017_NA0017U16RM13.85_3.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	9.03	Rating **	U	Issue No.	27 (cont)
LM End	9.03	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.966661 °	37.966661 °
				-121.127864 °	-121.127864 °
DWR ID	NA0017U16RM13.85				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed. 08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: The erosion might have been caused by river flow combined with runoff. Dense vegetation is presents at the site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM13.85]					

Photo 4 of 4 : SJR2017_NA0017U16RM13.85_4.jpg



Close view of the erosion.

LM Start	9.11	Rating **	M	Issue No.	18
LM End	9.13	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.966922 °	37.966922 °
				-121.129533 °	-121.129533 °
DWR ID	NA0017U16RM13.72				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed. 08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed. 08/22/2012: The erosion is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM13.72]					

Photo 1 of 4 : SJR2017_NA0017U16RM13.72_1.jpg



Upstream view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	9.11	Rating **	M	Issue No.	18 (cont)	
LM End	9.13	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.966922 °	37.966922 °	
				-121.129533 °	-121.129533 °	
DWR ID	NA0017U16RM13.72					
Comment Code						
Inspector Comment						
08/30/2017: No significant change observed.						
08/16/2016: No significant change observed.						
08/12/2015: No significant change observed.						
08/20/2014: No significant change observed.						
09/12/2013: No significant change observed.						
08/22/2012: The erosion is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM13.72]						

LM Start	9.11	Rating **	M	Issue No.	18 (cont)
LM End	9.13	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : SJR2017_NA0017U16RM13.72_2.jpg



Close view of the erosion.

Photo 3 of 4 : SJR2017_NA0017U16RM13.72_3.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	9.11	Rating **	M	Issue No.	18 (cont)	
LM End	9.13	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			37.966922 °		37.966922 °
				-121.129533 °		-121.129533 °
DWR ID	NA0017U16RM13.72					
Comment Code						
Inspector Comment						
08/30/2017: No significant change observed.						
08/16/2016: No significant change observed.						
08/12/2015: No significant change observed.						
08/20/2014: No significant change observed.						
09/12/2013: No significant change observed.						
08/22/2012: The erosion is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM13.72]						

Photo 4 of 4 : SJR2017_NA0017U16RM13.72_4.jpg



Front view of the erosion.

LM Start	9.31	Rating **	M	Issue No.	14
LM End	9.33	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.966772 °	37.966772 °
				-121.133071 °	-121.133071 °
DWR ID	NA0017U16RM13.53				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed.					
08/16/2016: No significant change observed.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: No significant change observed.					
08/22/2012: The erosion is on berm. The berm width is estimated.					
There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM13.53]					

Photo 1 of 3 : SJR2017_NA0017U16RM13.53_1.jpg



Upstream view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	9.31	Rating **	M	Issue No.	14 (cont)
LM End	9.33	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.966772 °	37.966772 °
				-121.133071 °	-121.133071 °
DWR ID	NA0017U16RM13.53				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed. 08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed. 08/22/2012: The erosion is on berm. The berm width is estimated. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM13.53]					

LM Start	9.31	Rating **	M	Issue No.	14 (cont)
LM End	9.33	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SJR2017_NA0017U16RM13.53_2.jpg



Close view of the erosion.

Photo 3 of 3 : SJR2017_NA0017U16RM13.53_3.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	9.33	Rating **	A/W	Issue No.	304
LM End	9.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.966739 °	37.966739 °
				-121.133254 °	-121.133254 °
DWR ID	DWR_NA0017_16_s _ 2016_304				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

A photograph showing a grassy embankment or field. In the background, there is a dense line of green trees. The foreground consists of dry, brownish grass and some green vegetation near the bottom edge. A date stamp '04/26/2016' is visible in the bottom right corner.

View of a rodent hole possible made by a coyote on the waterside slope of the levee. The picture was taken from the opposite side of the levee.

LM Start	9.48	Rating **	A/W	Issue No.	28
LM End	9.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.966239 °	37.966239 °
				-121.136172 °	-121.136172 °
DWR ID	DWR_NA0017_16_f_2013_28				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion was found on the waterside toe of the levee.					

A wide river flows through a landscape. On the left, a high, eroded bank rises from the water's edge. The bank is covered in sparse, dry vegetation and a line of trees with yellowing leaves. The foreground is rocky and dry, with some scattered debris. The sky is clear and blue. A date stamp "11/15/2015" is visible in the bottom right corner of the image.

View of the erosion on the waterside toe of the levee looking from the opposite side of the levee.

* 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**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	9.48	Rating **	M	Issue No.	829
LM End	9.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.965880 °	37.965880 °
				-121.135897 °	-121.135897 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:36144					
DS_ID:23344					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Inlet appears to be burried with soil on LS. Pipe heavily corroded at outlet on WS toe. Good candidate for video inspection.					
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe, 3.5 feet below the roadway. Grouted spillway and inlet. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 9.77)].					
FS Date: 4/30/2014					

Photo 1 of 3 : UCIP_FA_2017_36144_65406.jpg



Inlet on LS shoulder burried in soil.

LM Start	9.48	Rating **	M	Issue No.	829 (cont)
LM End	9.48	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_36144_65405.jpg



Grout over pipe on WS slope with pipe visible in water at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	9.48	Rating **	M	Issue No.	829 (cont)	
LM End	9.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.965880 °	37.965880 °	
				-121.135897 °	-121.135897 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:36144 DS_ID:23344 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet appears to be buried with soil on LS. Pipe heavily corroded at outlet on WS toe. Good candidate for video inspection. FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe, 3.5 feet below the roadway. Grouted spillway and inlet. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 9.77)]. FS Date: 4/30/2014						

Photo 3 of 3 : UCIP_FA_2017_36144_65404.jpg



Pipe completely rusted through at outlet on WS toe.

LM Start	9.78	Rating **	M	Issue No.	830	
LM End	9.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.964912 °	37.964912 °	
				-121.140827 °	-121.140827 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:36145 DS_ID:23345 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet on LS burried in soil. FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 3.5 feet below the crown. Grouted spillway and inlet. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 10.07)]. FS Date: 4/30/2014						

Photo 1 of 3 : UCIP_FA_2017_36145_65409.jpg



Grout over pipe on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	9.78	Rating **	M	Issue No.	830 (cont)	
LM End	9.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.964912 °	37.964912 °	
				-121.140827 °	-121.140827 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:36145						
DS_ID:23345						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Inlet on LS buried in soil.						
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe						
through the levee, 3.5 feet below the crown. Grouted spillway and inlet.						
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin						
O&M Manual 611.1, Volume F, (HLM 10.07)].						
FS Date: 4/30/2014						

Photo 2 of 3 : UCIP_FA_2017_36145_65408.jpg



Pipe at outlet on WS toe.

LM Start	9.78	Rating **	M	Issue No.	830 (cont)
LM End	9.78	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_36145_65407.jpg



Inlet appears to be buried in soil on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	9.86	Rating **	M	Issue No.	10
LM End	9.88	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.964735 °	37.964735 °
				-121.142503 °	-121.142503 °
DWR ID	NA0017U16RM12.95				
Comment Code					
Inspector Comment					
08/30/2017: No significant change observed. 08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed. 08/22/2012: Dense vegetation on site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM12.95]					

LM Start	9.86	Rating **	M	Issue No.	10 (cont)
LM End	9.88	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : SJR2017_NA0017U16RM12.95_1.jpg



Upstream view of the site from right river bank.

Photo 2 of 4 : SJR2017_NA0017U16RM12.95_2.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	9.86	Rating **	M	Issue No.	10 (cont)	
LM End	9.88	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.964735 °	37.964735 °	
				-121.142503 °	-121.142503 °	
DWR ID	NA0017U16RM12.95					
Comment Code						
Inspector Comment						
08/30/2017: No significant change observed. 08/16/2016: No significant change observed. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: No significant change observed. 08/22/2012: Dense vegetation on site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2017 Site ID:NA0017U16RM12.95]						

LM Start	9.86	Rating **	M	Issue No.	10 (cont)
LM End	9.88	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : SJR2017_NA0017U16RM12.95_3.jpg



Close view of the erosion.

Photo 4 of 4 : SJR2017_NA0017U16RM12.95_4.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	10.20	Rating **	M	Issue No.	832
LM End	10.20	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.964670 °	37.964670 °
				-121.148455 °	-121.148455 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:36163					
DS_ID:23347					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Heavy sediment buildup at inlet on LS toe.					
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Concrete U-shaped headwall on the landside (LS). Flap gate on the waterside (WS) end.					
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 10.50)].					
FS Date: 4/30/2014					

Photo 1 of 3 : UCIP_FA_2017_36163_65442.jpg



Pipe and flapgate visible on WS slope.

LM Start	10.20	Rating **	M	Issue No.	832 (cont)
LM End	10.20	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_36163_65441.jpg



Pipe and headwall visible at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	10.20	Rating **	M	Issue No.	832 (cont)	
LM End	10.20	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.964670 °	37.964670 °	
				-121.148455 °	-121.148455 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:36163						
DS_ID:23347						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Heavy sediment buildup at inlet on LS toe.						
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe						
through the levee, 5.5 feet below the crown. Concrete U-shaped						
headwall on the landside (LS). Flap gate on the waterside (WS) end.						
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin						
O&M Manual 611.1, Volume F, (HLM 10.50)].						
FS Date: 4/30/2014						

Photo 3 of 3 : UCIP_FA_2017_36163_65440.jpg



Headwall and pipe with heavy sediment buildup on LS toe.

LM Start	10.21	Rating **	A/W	Issue No.	834
LM End	10.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.964660 °	37.964660 °
				-121.148660 °	-121.148660 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:36164					
DS_ID:23348					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete headwall on the landside (LS). Flap gate on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 10.51)].					
FS Date: 4/30/2014					

Photo 1 of 3 : UCIP_FA_2017_36164_65445.jpg



Pipe and concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	10.21	Rating **	A/W	Issue No.	834 (cont)	
LM End	10.21	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.964660 °	37.964660 °	
				-121.148660 °	-121.148660 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:36164						
DS_ID:23348						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe						
through the levee, 6 feet below the crown. Concrete headwall on the						
landside (LS). Flap gate on the waterside (WS). [Additional						
Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M						
Manual 611.1, Volume F, (HLM 10.51)].						
FS Date: 4/30/2014						

LM Start	10.21	Rating **	A/W	Issue No.	834 (cont)
LM End	10.21	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_36164_65444.jpg



Pipe and concrete headwall on LS toe. Sediment buildup on LS toe.

Photo 3 of 3 : UCIP_FA_2017_36164_65443.jpg



Pipe and flapgate visible on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	10.79	Rating **	A/W	Issue No.	139 (cont)	
LM End	10.79	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.962182 °		37.962182 °
				-121.158684 °		-121.158684 °
DWR ID	DWR_NA0017_16_s_2013_139					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						

Photo 2 of 2 : FA_2017_NA0017_160_139_20171016_00120.jpg



Erosion was found on the waterside of the levee looking downstream.

LM Start	11.08	Rating **	A/W	Issue No.	841	
LM End	11.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.960565 °	37.960565 °	
				-121.163287 °	-121.163287 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:36186						
DS_ID:23354						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe						
through the levee, 3.5 feet below the roadway. Grouted spillway.						
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin						
O&M Manual 611.1, Volume F, (HLM 11.41)].						
FS Date: 5/6/2014						

Photo 1 of 2 : UCIP_FA_2017_36186_65505.jpg



Pipe at inlet on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	11.08	Rating **	A/W	Issue No.	841 (cont)
LM End	11.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.960565 °	37.960565 °
				-121.163287 °	-121.163287 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:36186 DS_ID:23354 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 3.5 feet below the roadway. Grouted spillway. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 11.41)]. FS Date: 5/6/2014					

Photo 2 of 2 : UCIP_FA_2017_36186_65504.jpg



Grout over pipe on WS slope.

LM Start	11.15	Rating **	A/W	Issue No.	842
LM End	11.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.960322 °	37.960322 °
				-121.164400 °	-121.164400 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:36187 DS_ID:23355 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch steel drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Grouted inlet and outlet. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 11.45) corrugated metal pipe listed]. FS Date: 5/6/2014					

Photo 1 of 3 : UCIP_FA_2017_36187_65508.jpg



Pipe and headwall visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	11.15	Rating **	A/W	Issue No.	842 (cont)	
LM End	11.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.960322 °	37.960322 °	
				-121.164400 °	-121.164400 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:36187 DS_ID:23355 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch steel drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Grouted inlet and outlet. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 11.45) corrugated metal pipe listed]. FS Date: 5/6/2014						

Photo 2 of 3 : UCIP_FA_2017_36187_65507.jpg



Pipe, flapgate, and headwall visible on WS shoulder.

LM Start	11.15	Rating **	A/W	Issue No.	842 (cont)
LM End	11.15	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_36187_65506.jpg



Pipe, flapgate, and headwall visible on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	11.51	Rating **	C	Issue No.	285	
LM End	11.51	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.960535 °		37.960535 °
				-121.171081 °		-121.171081 °
DWR ID	DWR_NA0017_16_s_2017_285					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						

No Photos

LM Start	11.57	Rating **	C	Issue No.	50
LM End	11.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.960763 °	37.960763 °
				-121.172122 °	-121.172122 °
DWR ID	DWR_NA0017_16_f_2016_50				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	11.59	Rating **	C	Issue No.	286
LM End	11.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.960823 °	37.960823 °
				-121.172338 °	-121.172338 °
DWR ID	DWR_NA0017_16_s_2017_286				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	11.89	Rating **	C	Issue No.	287
LM End	11.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.961416 °	37.961416 °
				-121.177917 °	-121.177917 °
DWR ID	DWR_NA0017_16_s_2017_287				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	11.92	Rating **	A/W	Issue No.	845
LM End	11.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.961429 °	37.961429 °
				-121.178380 °	-121.178380 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:36208					
DS_ID:23385					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Concrete U-shaped headwall on both ends. Grouted inlet and outlet. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 12.24)].					
FS Date: 5/6/2014					

Photo 1 of 3 : UCIP_FA_2017_36208_65571.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	11.92	Rating **	A/W	Issue No.	845 (cont)	
LM End	11.92	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.961429°	37.961429°	
				-121.178380°	-121.178380°	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:36208						
DS_ID:23385						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe						
through the levee, 5.5 feet below the crown. Concrete U-shaped						
headwall on both ends. Grouted inlet and outlet. Flap gate on the						
waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992.						
USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 12.24)].						
FS Date: 5/6/2014						

Photo 2 of 3 : UCIP_FA_2017_36208_65570.jpg



Pipe and concrete headwall on WS slope.

LM Start	11.92	Rating **	A/W	Issue No.	845 (cont)
LM End	11.92	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2017_36208_65569.jpg



Pipe, headwall, and flapgate on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	12.26	Rating **	A/W	Issue No.	847
LM End	12.26	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.960568 °	37.960568 °
				-121.184451 °	-121.184451 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:36225					
DS_ID:23388					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 9 feet below the crown. Concrete U-shaped headwall on both ends. Grouted inlet and outlet. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 12.58)].					
FS Date: 5/6/2014					

Photo 1 of 3 : UCIP_FA_2017_36225_65589.jpg



Grouted spillway on WS berm.

LM Start	12.26	Rating **	A/W	Issue No.	847 (cont)
LM End	12.26	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_36225_65588.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	12.26	Rating **	A/W	Issue No.	847 (cont)	
LM End	12.26	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.960568 °	37.960568 °	
				-121.184451 °	-121.184451 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:36225						
DS_ID:23388						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe						
through the levee, 9 feet below the crown. Concrete U-shaped headwall						
on both ends. Grouted inlet and outlet. Flap gate on the waterside (WS)						
end. [Additional Reference(s): DWR Levee Log, 1992. USACE San						
Joaquin O&M Manual 611.1, Volume F, (HLM 12.58)].						
FS Date: 5/6/2014						

Photo 3 of 3 : UCIP_FA_2017_36225_65587.jpg



Concrete headwall on LS toe.

LM Start	12.32	Rating **	C	Issue No.	126
LM End	12.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.960427 °	37.960427 °
				-121.185560 °	-121.185560 °
DWR ID	DWR_NA0017_16_s_2016_126				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	14.19	Rating **	M	Issue No.	256
LM End	14.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.966596 °	37.966596 °
				-121.216410 °	-121.216410 °
DWR ID	DWR_NA0017_16_f_2017_256				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_160_256_20171027_00436.jpg



View of a stairway dug into the landside slope of the levee looking upstream. Fall 2017

LM Start	14.25	Rating **	M	Issue No.	249
LM End	14.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.967046 °	37.967046 °
				-121.217319 °	-121.217319 °
DWR ID	DWR_NA0017_16_f_2015_249				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff					

Photo 1 of 1 : FA_2017_NA0017_160_249_20171016_00156.jpg



View of the erosion caused by surface runoff on the landside of the

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	14.59	Rating **	M	Issue No.	259
LM End	14.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.969732 °	37.969732 °
				-121.222552 °	-121.222552 °
DWR ID	DWR_NA0017_16_f_2014_259				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_160_259_20171016_00161.jpg



View of a rodent hole on the landside of the levee. Spring 2017

LM Start	15.74	Rating **	C	Issue No.	290
LM End	15.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.977639 °	37.977639 °
				-121.240947 °	-121.240947 °
DWR ID	DWR_NA0017_16_s_2017_290				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	16.12	Rating **	M	Issue No.	71
LM End	16.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.980250 °	37.980250 °
				-121.247141 °	-121.247141 °
DWR ID	DWR_NA0017_16_s_2014_71				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	16.43	Rating **	M	Issue No.	150
LM End	16.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.982318 °	37.982318 °
				-121.252095 °	-121.252095 °
DWR ID	DWR_NA0017_16_s_2013_150				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff					

Photo 1 of 2 : FA_2017_NA0017_160_150_20171016_00122.jpg



Updated picture of the erosion on the landside shoulder of the levee looking upstream during spring 2015 inspection.

LM Start	16.43	Rating **	M	Issue No.	150 (cont)
LM End	16.43	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2017_NA0017_160_150_20171016_00123.jpg



Erosion was found on the landside of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	16.74	Rating **	C	Issue No.	294
LM End	16.74	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.984461 °	37.984461 °
				-121.257053 °	-121.257053 °
DWR ID	DWR_NA0017_16_s_2017_294				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	17.14	Rating **	M	Issue No.	293	
LM End	17.14	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.987210 °		37.987210 °
				-121.263501 °		-121.263501 °
DWR ID	DWR_NA0017_16_s_2016_293					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Runoff						

Photo 1 of 1 : FA_2017_NA0017_160_293_20171016_00190.jpg



View of an erosion on the landside slope of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	17.38	Rating **	A/W	Issue No.	852
LM End	17.38	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.988840 °	37.988840 °
				-121.267369 °	-121.267369 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37124 DS_ID:23365 EP_NO: 4046 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2: 24-inch coated steel drainage pipe through the levee, 4.5 feet below the crown. 18-inch concrete riser unit for siphon breaker on the landside (LS) shoulder. Concrete U-shaped headwall and flap gate on the waterside (WS). Pump house visible off the LS toe (Permit No. 4046, 1962 - County of San Joaquin). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 17.79)]. FS Date: 5/7/2014					

LM Start	17.38	Rating **	A/W	Issue No.	852 (cont)
LM End	17.38	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_37124_67563.jpg



24-inch concrete riser on LS shoulder.

Photo 2 of 3 : UCIP_FA_2017_37124_67562.jpg



Pipe visible on left at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	18.94	Rating **	N	Issue No.	295
LM End	18.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.991937 °	37.991937 °
				-121.293932 °	-121.293932 °
DWR ID	DWR_NA0017_16_s _ 2016_295				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	19.04	Rating **	N	Issue No.	65
LM End	19.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.991617 °	37.991617 °
				-121.295628 °	-121.295628 °
DWR ID	DWR_NA0017_16_s _ 2012_65				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_160_65_20171016_00061.jpg



A tree stump was found on the landside of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	19.24	Rating **	U	Issue No.	861
LM End	19.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.991044 °	37.991044 °
				-121.299183 °	-121.299183 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:51631
DS_ID:23374
EP_NO: 3175
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 10/31/2016 Sink hole along pipe alignment (on LS) has progressed, the hole is now about 4-feet long by 2.5-feet wide by 3-feet deep. Several signs of pipe failure are present at this location visible on both WS and LS. The DWR Levee inspector, the LMA, and the owner - the City of Stockton have been notified of the damage to both the WS and LS. Owner will need to contact the CVFPB to address pipe and levee repairs. (O. Magana - DWR UCIP)05/07/2014 Wet hole over pipe on LS slope indicating pipe failure. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 1 of 3: 16-inch steel drainage pipe through the levee, 3.5 feet below the crown. Flap gate is located on the waterside (WS) end. Siphon breaker is inside a 42-inch concrete riser that is located on the WS shoulder. Concrete headwall is located at the landside (LS) toe. Concrete block pump house with chain link fence around it is located on the LS. (Permit No. 3175, 1966 - City of Stockton; additional reference for this pump station includes Permit No. 3175-A, 2003 - OMI/Thames Water Stockton, Inc. permit was issued for an emergency repair of a damaged section of 18-inch pipe) [Additional Reference(s): DWR Levee Log, 1977. USACE San Joaquin River O&M Manual Unit No. 611.1, (HLM 19.68)].
FS Date: 10/31/2016 8:27:00 AM

LM Start	19.24	Rating **	U	Issue No.	861 (cont)
LM End	19.24	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_51631_67702.jpg



Hole over pipe on LS slope.

Photo 2 of 3 : UCIP_FA_2017_51631_67701.jpg



Hole over pipe on LS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	19.24	Rating **	U	Issue No.	861 (cont)
LM End	19.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.991044 °	37.991044 °
				-121.299183 °	-121.299183 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:51631
DS_ID:23374
EP_NO: 3175
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 10/31/2016 Sink hole along pipe alignment (on LS) has progressed, the hole is now about 4-feet long by 2.5-feet wide by 3-feet deep. Several signs of pipe failure are present at this location visible on both WS and LS. The DWR Levee inspector, the LMA, and the owner - the City of Stockton have been notified of the damage to both the WS and LS. Owner will need to contact the CVFPB to address pipe and levee repairs. (O. Magana - DWR UCIP)05/07/2014 Wet hole over pipe on LS slope indicating pipe failure. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 1 of 3: 16-inch steel drainage pipe through the levee, 3.5 feet below the crown. Flap gate is located on the waterside (WS) end. Siphon breaker is inside a 42-inch concrete riser that is located on the WS shoulder. Concrete headwall is located at the landside (LS) toe. Concrete block pump house with chain link fence around it is located on the LS. (Permit No. 3175, 1966 - City of Stockton; additional reference for this pump station includes Permit No. 3175-A, 2003 - OMI/Thames Water Stockton, Inc. permit was issued for an emergency repair of a damaged section of 18-inch pipe) [Additional Reference(s): DWR Levee Log, 1977. USACE San Joaquin River O&M Manual Unit No. 611.1, (HLM 19.68)].
FS Date: 10/31/2016 8:27:00 AM

Photo 3 of 3 : UCIP_FA_2017_51631_67700.jpg



vent in concrete standpipe on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	19.24	Rating **	U	Issue No.	862
LM End	19.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.991048 °	37.991048 °
				-121.299203 °	-121.299203 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50770

DS_ID:23496

EP_NO: 3175

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 10/31/2016 Hole is visible on WS toe. Several signs of multiple pipe failures at this location are visible on both WS and LS.

The DWR Levee inspector, the LMA, and the owner - the City of Stockton have been notified of the damage to both the WS and LS.

Owner will need to contact the CVFPB to address pipe and levee repairs. Flap gate is still missing from WS toe. (O. Magana - DWR UCIP)05/07/2014 Flapgate missing from WS toe. (W. Wylie - DWR UCIP)

FIELD_STRUCT_DESC: 2 of 3: 18-inch steel drainage pipe through the levee, 3.5 feet below crown. Flap gate is located on the waterside (WS) end. Siphon breaker is inside a 42-inch concrete riser unit located at the WS shoulder. Concrete headwall is located at the landside (LS) toe.

Concrete block pump house with chain link fence around it is located on the landside (LS). (18-inch pipe, 20-inch referenced in permit, authorized under Permit No. 3175, 1960 - City of Stockton; 10-linear-foot section of the 18-inch pipe was replaced on the LS under Permit No. 3175-A, 2003 - OMI/Thames Water Stockton, Inc.) [Additional Reference(s): DWR Levee Log, 1977. USACE San Joaquin River O&M Manual Unit No. 611.1, (HLM 19.68)].

FS Date: 10/31/2016 8:27:00 AM

LM Start	19.24	Rating **	U	Issue No.	862 (cont)
LM End	19.24	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2017_50770_67706.jpg



Pipe at center of picture.

Photo 2 of 3 : UCIP_FA_2017_50770_67705.jpg



Center concrete riser on WS shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	19.24	Rating **	U	Issue No.	862 (cont)
LM End	19.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.991048 °	37.991048 °
				-121.299203 °	-121.299203 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50770
DS_ID:23496
EP_NO: 3175
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 10/31/2016 Hole is visible on WS toe. Several signs of multiple pipe failures at this location are visible on both WS and LS. The DWR Levee inspector, the LMA, and the owner - the City of Stockton have been notified of the damage to both the WS and LS. Owner will need to contact the CVFPB to address pipe and levee repairs. Flap gate is still missing from WS toe. (O. Magana - DWR UCIP)05/07/2014 Flapgate missing from WS toe. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 2 of 3: 18-inch steel drainage pipe through the levee, 3.5 feet below crown. Flap gate is located on the waterside (WS) end. Siphon breaker is inside a 42-inch concrete riser unit located at the WS shoulder. Concrete headwall is located at the landside (LS) toe. Concrete block pump house with chain link fence around it is located on the landside (LS). (18-inch pipe, 20-inch referenced in permit, authorized under Permit No. 3175, 1960 - City of Stockton; 10-linear-foot section of the 18-inch pipe was replaced on the LS under Permit No. 3175-A, 2003 - OMI/Thames Water Stockton, Inc.) [Additional Reference(s): DWR Levee Log, 1977. USACE San Joaquin River O&M Manual Unit No. 611.1, (HLM 19.68)].
FS Date: 10/31/2016 8:27:00 AM

Photo 3 of 3 : UCIP_FA_2017_50770_67704.jpg



Flapgate missing from pipe on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	20.79	Rating **	N	Issue No.	95
LM End	20.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.979739 °	37.979739 °
				-121.319993 °	-121.319993 °
DWR ID	DWR_NA0017_16_s_2012_95				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	20.81	Rating **	M	Issue No.	25
LM End	20.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.979925 °	37.979925 °
				-121.320179 °	-121.320179 °
DWR ID	DWR_NA0017_16_f_2017_25				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_160_25_20171027_00438.jpg



View a tree that needs trimming on the landside slope of the levee. Fall 2017

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	20.83	Rating **	N	Issue No.	84
LM End	20.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.980085 °	37.980085 °
				-121.320448 °	-121.320448 °
DWR ID	DWR_NA0017_16_s _2012_84				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	20.97	Rating **	C	Issue No.	197
LM End	20.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.980569 °	37.980569 °
				-121.322985 °	-121.322985 °
DWR ID	DWR_NA0017_16_s _ 2013_197				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

LM Start	21.34	Rating **	M	Issue No.	299
LM End	21.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.980585 °	37.980585 °
				-121.329413 °	-121.329413 °
DWR ID	DWR_NA0017_16_s _ 2017_299				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	21.68	Rating **	M	Issue No.	68
LM End	21.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.979674 °	37.979674 °
				-121.335228 °	-121.335228 °
DWR ID	DWR_NA0017_16_f_2012_68				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_160_68_20171016_00066.jpg



Erosion was found on the waterside slope of the levee looking upstream.

LM Start	21.81	Rating **	M	Issue No.	257
LM End	21.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.979427 °	37.979273 °
				-121.337660 °	-121.339958 °
DWR ID	DWR_NA0017_16_f_2017_257				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	21.88	Rating **	M	Issue No.	260
LM End	21.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.979478 °	37.979478 °
				-121.338838 °	-121.338838 °
DWR ID	DWR_NA0017_16_f_2017_260				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_160_260_20171027_00439.jpg



View of debris on the waterside shoulder of the levee. Fall 2017

LM Start	21.94	Rating **	M	Issue No.	62
LM End	21.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.979251 °	37.979251 °
				-121.340012 °	-121.340012 °
DWR ID	DWR_NA0017_16_f_2013_62				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_160_62_20171016_00060.jpg



Erosion was found on the waterside slope of the levee looking upstream.

LM Start	22.04	Rating **	A/W	Issue No.	48
LM End	22.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.978697 °	37.978697 °
				-121.341581 °	-121.341581 °
DWR ID	DWR_NA0017_16_s_2012_48				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Caltrans repaired the issue. (Permit # 18562) Another repair might be needed if it deteriorates.					

Photo 1 of 5 : FA_2017_NA0017_160_48_20171016_00044.jpg



View of the riprap on the waterside slope of the levee. Fall 2016

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	22.04	Rating **	A/W	Issue No.	48 (cont)	
LM End	22.04	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.978697 °		37.978697 °
				-121.341581 °		-121.341581 °
DWR ID	DWR_NA0017_16_s_2012_48					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Caltrans repaired the issue. (Permit # 18562) Another repair might be needed if it deteriorates.						

Photo 2 of 5 : FA_2017_NA0017_160_48_20171016_00045.jpg



Caltrans repaired the erosion under the southbound (I-5) bridge. The picture was taken from the crown looking upstream during fall 2014 inspection.

LM Start	22.04	Rating **	A/W	Issue No.	48 (cont)
LM End	22.04	Issue Type +	Ma	Location *	WS

Photo 3 of 5 : FA_2017_NA0017_160_48_20171016_00046.jpg



Updated picture of erosion was found on the waterside toe of the levee looking from the opposite side of the levee. Fall 2013

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	22.04	Rating **	A/W	Issue No.	48 (cont)	
LM End	22.04	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.978697 °		37.978697 °
				-121.341581 °		-121.341581 °
DWR ID	DWR_NA0017_16_s_2012_48					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Caltrans repaired the issue. (Permit # 18562) Another repair might be needed if it deteriorates.						

Photo 4 of 5 : FA_2017_NA0017_160_48_20171016_00047.jpg



Updated view of the erosion site repaired by Caltrans on the waterside slope of the levee looking upstream. Fall 2012

LM Start	22.04	Rating **	A/W	Issue No.	48 (cont)
LM End	22.04	Issue Type +	Ma	Location *	WS

Photo 5 of 5 : FA_2017_NA0017_160_48_20171016_00048.jpg



View of the erosion site repaired by Caltrans under the I-5 freeway going southbound. This picture was taken from the toe of the levee looking upstream. Spring 2012

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

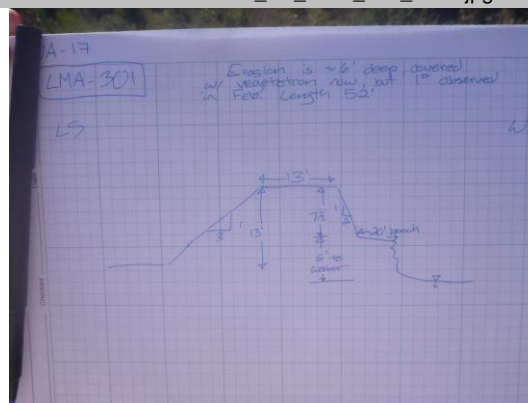
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	22.19	Rating **	A/W	Issue No.	244 (cont)	
LM End	22.19	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			37.977185 °		37.977185 °
				-121.343687 °		-121.343687 °
DWR ID	DWR_NA0017_16_f_2017_244					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion along the left bank of the waterside slope.						
Site ID No:474						
Site Designation:LMA-301						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/27/2017						
Notes: Lower priority because of the wide berm and erosion is only about 6 ft above water.						

Photo 3 of 3 : LEVAL_FA_2017_474_2238.jpg



LM Start	22.24	Rating **	N	Issue No.	6	
LM End	22.24	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			37.976650 °		37.976650 °
				-121.344212 °		-121.344212 °
DWR ID	DWR_NA0017_16_s_2016_6					
Comment Code						
T5 : Tree stumps.						
Inspector Comment						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	22.36	Rating **	M	Issue No.	271
LM End	22.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.975345 °	37.975020 °
				-121.345717 °	-121.346084 °
DWR ID	DWR_NA0017_16_f_2017_271				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	22.37	Rating **	M	Issue No.	302
LM End	22.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.975283 °	37.975283 °
				-121.345798 °	-121.345798 °
DWR ID	DWR_NA0017_16_s_2017_302				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	22.46	Rating **	M	Issue No.	303
LM End	22.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.974267 °	37.974267 °
				-121.346955 °	-121.346955 °
DWR ID	DWR_NA0017_16_s_2017_303				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA_2017_NA0017_160_303_20171016_00193.jpg



View of prunings on the waterside of the levee.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	22.53	Rating **	U	Issue No.	45
LM End	22.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.973578 °	37.973578 °
				-121.347848 °	-121.347848 °
DWR ID	DWR_NA0017_16_f_2012_45				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arundo on the waterside of the levee is completely blocking the visibility.					

Photo 1 of 2 : FA_2017_NA0017_160_45_20171016_00039.jpg



Updated picture of the arundo on the waterside slope of the levee. Fall 2016

LM Start	22.53	Rating **	U	Issue No.	45 (cont)
LM End	22.53	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2017_NA0017_160_45_20171016_00040.jpg



Arundo was found on the waterside slope of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	22.87	Rating **	A/W	Issue No.	881
LM End	22.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.969751 °	37.969751 °
				-121.351172 °	-121.351172 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:37423 DS_ID:23409 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2: 18-inch steel drainage pipe through the levee, 4.3 feet below the crown. Siphon breaker on the waterside (WS) slope. Pump house near the landside (LS) toe. (Reclamation District No. 1618). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 23.36)]. FS Date: 5/8/2014					

Photo 1 of 2 : UCIP_FA_2017_37423_67881.jpg



Pipe visible on WS slope with siphon breaker in box.

LM Start	22.87	Rating **	A/W	Issue No.	881 (cont)
LM End	22.87	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_FA_2017_37423_67880.jpg



Pipe and pumphouse visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/24/2017 10/27/2017	Pavel Kazi

LM Start	22.87	Rating **	A/W	Issue No.	882
LM End	22.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.969747°	37.969747°
				-121.351190°	-121.351190°
DWR ID					

Comment Code

Inspector Comment

FS_ID:37424
DS_ID:23503
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 2 of 2: 20-inch steel drainage pipe through the levee, 3 feet below the crown. Siphon breaker on the waterside (WS) slope. Pump house near the landside (LS) toe. (Reclamation District No. 1618). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 23.36)].
FS Date: 5/8/2014

LM Start	22.87	Rating **	A/W	Issue No.	882 (cont)
LM End	22.87	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2017_37424_67883.jpg



Pipe and siphon breaker at left of photo.

Photo 2 of 2 : UCIP_FA_2017_37424_67882.jpg



Pipe and pumphouse on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Potter Creek	Right	0.86	10/24/2017 10/24/2017	Pavel Kazi

LM Start		Rating **		Issue No.	
LM End		Issue Type +	--	Location *	
Category			GPS Latitude/Longitude		
			Start		End
Item				°	
				°	
DWR ID					
Comment Code					
Inspector Comment					
No issues were reported.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Potter Creek	Left	0.91	10/24/2017 10/24/2017	Pavel Kazi

LM Start	0.00	Rating **	A/W	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.957538 °	37.957538 °
				-121.148502 °	-121.148502 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33112					
DS_ID:23952					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: Looks well maintained crossing.					
FIELD_STRUCT_DESC: 30-inch CM pipe through the levee 6.0 feet below the crown. Concrete "U" headwalls on both ends. Flap gate on the waterward end. Grouted intake and outlet. O&M manual SJR 611.1 Vol. F- revised in 2010.					
FS Date: 4/4/2014					

Photo 1 of 3 : UCIP_FA_2017_33112_59886.jpg



WS view: overview of pipe culvert and grouted riprap spillway.

LM Start	0.00	Rating **	A/W	Issue No.	8 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_33112_59885.jpg



WS view: close view of CM pipe, flapgate, and concrete headwall.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Potter Creek	Left	0.91	10/24/2017 10/24/2017	Pavel Kazi

LM Start	0.00	Rating **	A/W	Issue No.	8 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.957538 °	37.957538 °	
				-121.148502 °	-121.148502 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33112						
DS_ID:23952						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: Looks well maintained crossing.						
FIELD_STRUCT_DESC: 30-inch CM pipe through the levee 6.0 feet below the crown. Concrete "U" headwalls on both ends. Flap gate on the waterward end. Grouted intake and outlet. O&M manual SJR 611.1 Vol. F- revised in 2010.						
FS Date: 4/4/2014						

Photo 3 of 3 : UCIP_FA_2017_33112_59884.jpg



LS view: concrete headwall of pipe culvert.

LM Start	0.01	Rating **	A	Issue No.	7
LM End	0.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.957541 °	37.957541 °
				-121.148709 °	-121.148709 °
DWR ID	DWR_NA0017_18_f_2017_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Acceptable vegetation.					

Photo 1 of 1 : FA_2017_NA0017_162_7_20171027_00014.jpg



View of the landside slope of the levee looking upstream. Fall 2017

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Potter Creek	Left	0.91	10/24/2017 10/24/2017	Pavel Kazi

LM Start	0.28	Rating **	A/W	Issue No.	9
LM End	0.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.958658 °	37.958658 °
				-121.153090 °	-121.153090 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33113					
DS_ID:18541					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: Long flood wall along the levee.					
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Grouted inlet and outlet. [Additional Reference(s): DWR Levee Log, 1992, 36-inch pipe listed. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 0.28)].					
FS Date: 4/4/2014					

Photo 1 of 3 : UCIP_FA_2017_33113_59893.jpg



WS view: CM pipe, flapgate, and concrete headwall on levee slope.

LM Start	0.28	Rating **	A/W	Issue No.	9 (cont)
LM End	0.28	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2017_33113_59892.jpg



WS view: concrete flood wall along the levee on waterside.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Potter Creek	Left	0.91	10/24/2017 10/24/2017	Pavel Kazi

LM Start	0.28	Rating **	A/W	Issue No.	9 (cont)	
LM End	0.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.958658 °	37.958658 °	
				-121.153090 °	-121.153090 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:33113						
DS_ID:18541						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: Long flood wall along the levee.						
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe						
through the levee, 6 feet below the crown. Concrete U-shaped headwall						
on both ends. Flap gate on the waterside (WS) end. Grouted inlet and						
outlet. [Additional Reference(s): DWR Levee Log, 1992, 36-inch pipe						
listed. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 0.28)].						
FS Date: 4/4/2014						

Photo 3 of 3 : UCIP_FA_2017_33113_59891.jpg



WS view: CM pipe, intake box, and concrete headwall on levee slope.

LM Start	0.53	Rating **	A/W	Issue No.	10
LM End	0.53	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.959117 °	37.959117 °
				-121.157567 °	-121.157567 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:33114 DS_ID:18539 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: May need cleaning the pipe. FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted inlet and outlet. [Additional Reference(s): DWR Levee Log, 1992, 36-inch pipe listed. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 0.54)]. FS Date: 4/4/2014					

Photo 1 of 3 : UCIP_FA_2017_33114_59898.jpg



WS view: CM pipe, flapgate, and concrete headwall on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2017

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Potter Creek	Left	0.91	10/24/2017 10/24/2017	Pavel Kazi

LM Start	0.89	Rating **	C	Issue No.	5
LM End	0.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.960275°	37.960275°	
			-121.163858°	-121.163858°	
DWR ID	DWR_NA0017_18_f_2016_5				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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