

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/18/2018 10/18/2018	Wade Wylie

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>3</b>
LM End	<b>0.00</b>	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 all of the required O&M manuals.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>5</b>
LM End	<b>0.00</b>	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

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>9</b>
LM End	<b>0.00</b>	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 each year.					

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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/18/2018 10/18/2018	Wade Wylie

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	23992				
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					

LM Start	<b>0.19</b>	Rating **	A/W	Issue No.	<b>199 (cont)</b>
LM End	<b>0.19</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_32744\_59245.jpg



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

Photo 2 of 3 : UCIP\_FA\_2018\_32744\_59244.jpg



WS view: 8-inch steel pipe (right) and 12-inch steel pipe (left) over Little John's Creek on wooden structure.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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	10/18/2018 10/18/2018	Wade Wylie

LM Start	0.19	Rating **	A/W	Issue No.	199 (cont)
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	23992				
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 3 of 3 : UCIP\_FA\_2018\_32744\_59243.jpg



LS view: water filtration plant on concrete pad.

LM Start	0.59	Rating **	M	Issue No.	24
LM End	0.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.877156°	37.877156°
				-121.239412°	-121.239412°
DWR ID	DWR_NA0017_01_f_2018_24				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from WS slope					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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	10/18/2018 10/18/2018	Wade Wylie

LM Start	<b>0.74</b>	Rating **	U	Issue No.	<b>200</b>
LM End	<b>0.74</b>	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	17973				

**Comment Code**

**Inspector Comment**

FS\_ID:53494  
DS\_ID:17973  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 11/02/2018 Inlet deformed. Outlet missing a slide gate. The LMA states that a new slide gate will be installed in about two weeks. Inlet and outlet have dirt and vegetation issues. Crossing remains "Urgent" until a new slide gate is installed. Contact the LMA to see if they have photographic evidence that a new slide gate was put in. (A. McDonald - DWR UCIP)10/18/2018 Inlet deformed. Outlet missing a slide gate. This means that the pipe cannot be closed during high water. I have escalated this crossing from "No Action Needed" to "Urgent" due to the straight through pipe which could cause flooding during high water. There is a hole in the inlet, due to the deformity. It was most likely ran over by heavy equipment. I do not see enough evidence for an internal pipe inspection. (A. McDonald - DWR UCIP)03/25/2014 May need cleaning of mud in inlet pipe. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal drainage culvert through the levee, 4.2 feet below the crown. Slide gate on the waterside (WS) end, not found on 10/18/2018. [Additional Reference(s): DWR Levee Log, 1977. USACE San Joaquin O&M Manual 613C, Volume 15, May 1963, (Station 98+65)].  
FS Date: 11/2/2018 2:54:00 PM

LM Start	<b>0.74</b>	Rating **	U	Issue No.	<b>200 (cont)</b>
LM End	<b>0.74</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_53494\_59248.jpg



WS view: CMP outlet with slide gate on the WS slope.

Photo 2 of 3 : UCIP\_FA\_2018\_53494\_59247.jpg



LS view: deformed CMP inlet on a drainage ditch.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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	10/18/2018 10/18/2018	Wade Wylie

LM Start	<b>0.74</b>	Rating **	U	Issue No.	<b>200 (cont)</b>							
LM End	<b>0.74</b>	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	17973											
Comment Code												
Inspector Comment												
FS_ID:53494 DS_ID:17973 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/02/2018 Inlet deformed. Outlet missing a slide gate. The LMA states that a new slide gate will be installed in about two weeks. Inlet and outlet have dirt and vegetation issues. Crossing remains "Urgent" until a new slide gate is installed. Contact the LMA to see if they have photographic evidence that a new slide gate was put in. (A. McDonald - DWR UCIP)10/18/2018 Inlet deformed. Outlet missing a slide gate. This means that the pipe cannot be closed during high water. I have escalated this crossing from "No Action Needed" to "Urgent" due to the straight through pipe which could cause flooding during high water. There is a hole in the inlet, due to the deformity. It was most likely ran over by heavy equipment. I do not see enough evidence for an internal pipe inspection. (A. McDonald - DWR UCIP)03/25/2014 May need cleaning of mud in inlet pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage culvert through the levee, 4.2 feet below the crown. Slide gate on the waterside (WS) end, not found on 10/18/2018. [Additional Reference(s): DWR Levee Log, 1977. USACE San Joaquin O&M Manual 613C, Volume 15, May 1963, (Station 98+65)]. FS Date: 11/2/2018 2:54:00 PM												

Photo 3 of 3 : UCIP\_FA\_2018\_53494\_59246.jpg



LS view: inside view of the CMP culvert. May need cleaning and clearing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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	10/18/2018 10/18/2018	Wade Wylie

LM Start	0.79	Rating **	A/W	Issue No.	201
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	17972				
Comment Code					
Inspector Comment					
FS_ID:53461 DS_ID:17972 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/02/2018 Inlet and outlet cleared of dirt by the LMA. Crossing has been downgraded to "No Action Needed." (A. McDonald - DWR UCIP)03/25/2014 LS vegetation debris and mud on the inlet ditch and inside the pipe. (P. Amatya - DWR UCIP) 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: 11/2/2018 3:23:00 PM					

Photo 1 of 3 : UCIP\_FA\_2018\_53461\_74752.jpg



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

LM Start	<b>0.79</b>	Rating **	A/W	Issue No.	<b>201 (cont)</b>
LM End	<b>0.79</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_53461\_59185.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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	10/18/2018 10/18/2018	Wade Wylie

LM Start	0.79	Rating **	A/W	Issue No.	201 (cont)	
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	17972					
Comment Code						
Inspector Comment						
FS_ID:53461 DS_ID:17972 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/02/2018 Inlet and outlet cleared of dirt by the LMA. Crossing has been downgraded to "No Action Needed." (A. McDonald - DWR UCIP)03/25/2014 LS vegetation debris and mud on the inlet ditch and inside the pipe. (P. Amatya - DWR UCIP) 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: 11/2/2018 3:23:00 PM						

Photo 3 of 3 : UCIP\_FA\_2018\_53461\_59184.jpg



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

LM Start	0.79	Rating **	A/W	Issue No.	202	
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	23995					
Comment Code						
Inspector Comment						
FS_ID:53130						
DS_ID:23995						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 11/02/2018 Inlet and outlet covered in dirt. Inlet and outlet cleared of dirt by the LMA. (A. McDonald - DWR UCIP)03/25/2014 Needs cleaning and clearing of the culvert. (P. Amatya - DWR UCIP)						
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: 11/2/2018 3:30:16 PM						

Photo 1 of 3 : UCIP\_FA\_2018\_53130\_59191.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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	10/18/2018 10/18/2018	Wade Wylie

LM Start	0.79	Rating **	A/W	Issue No.	202 (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	23995					
Comment Code						
Inspector Comment						
FS_ID:53130						
DS_ID:23995						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 11/02/2018 Inlet and outlet covered in dirt. Inlet and outlet cleared of dirt by the LMA. (A. McDonald - DWR UCIP)03/25/2014 Needs cleaning and clearing of the culvert. (P. Amatya - DWR UCIP)						
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: 11/2/2018 3:30:16 PM						

Photo 2 of 3 : UCIP\_FA\_2018\_53130\_59190.jpg



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

LM Start	<b>0.79</b>	Rating **	A/W	Issue No.	<b>202 (cont)</b>
LM End	<b>0.79</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_53130\_59189.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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	10/18/2018 10/18/2018	Wade Wylie

LM Start	1.02	Rating **	A/W	Issue No.	203	
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	23985					
Comment Code						
Inspector Comment						
FS_ID:53459 DS_ID:23985 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/02/2018 Inlet and outlet cleared of dirt and vegetation by the LMA. Crossing has been downgraded to "No Action Needed." (A. McDonald - DWR UCIP)03/25/2014 Debris and mud on inlet ditch and inside pipe. Needs cleaning and clearing the culvert. (P. Amatya - DWR UCIP) 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: 11/2/2018 2:31:00 PM						

LM Start	<b>1.02</b>	Rating **	A/W	Issue No.	<b>203 (cont)</b>
LM End	<b>1.02</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_53459\_59251.jpg



Enter photo 1 description or comment here.

Photo 2 of 3 : UCIP\_FA\_2018\_53459\_59250.jpg



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

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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	10/18/2018 10/18/2018	Wade Wylie

LM Start	1.02	Rating **	A/W	Issue No.	203 (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	23985					
Comment Code						
Inspector Comment						
FS_ID:53459 DS_ID:23985 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/02/2018 Inlet and outlet cleared of dirt and vegetation by the LMA. Crossing has been downgraded to "No Action Needed." (A. McDonald - DWR UCIP)03/25/2014 Debris and mud on inlet ditch and inside pipe. Needs cleaning and clearing the culvert. (P. Amatya - DWR UCIP) 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: 11/2/2018 2:31:00 PM						

Photo 3 of 3 : UCIP\_FA\_2018\_53459\_59249.jpg



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

LM Start	1.04	Rating **	C	Issue No.	16
LM End	1.04	Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.877566 °	37.877566 °
				-121.246659 °	-121.246659 °
DWR ID	DWR_NA0017_01_s_2018_16				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> 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	10/18/2018 10/18/2018	Wade Wylie

LM Start	1.15	Rating **	C	Issue No.	20
LM End	1.26	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.878776 °	37.880175 °
				-121.248004 °	-121.249128 °
DWR ID	DWR_NA0017_01_s_2018_20				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	1.18	Rating **	M	Issue No.	204	
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	17970					
Comment Code						
Inspector Comment						
FS_ID:53458 DS_ID:17970 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/02/2018 Inlet still deformed. Inlet and outlet cleared of dirt and vegetation by the LMA. Crossing continues to be rated "Non-Urgent." (A. McDonald - DWR UCIP)03/25/2014 Needs cleaning and clearing the culvert. (P. Amatya - DWR UCIP) 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: 11/2/2018 2:22:00 PM						

Photo 1 of 3 : UCIP\_FA\_2018\_53458\_59254.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/18/2018 10/18/2018	Wade Wylie

LM Start	1.18	Rating **	M	Issue No.	204 (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	17970					
Comment Code						
Inspector Comment						
FS_ID:53458 DS_ID:17970 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/02/2018 Inlet still deformed. Inlet and outlet cleared of dirt and vegetation by the LMA. Crossing continues to be rated "Non-Urgent." (A. McDonald - DWR UCIP)03/25/2014 Needs cleaning and clearing the culvert. (P. Amatya - DWR UCIP) 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: 11/2/2018 2:22:00 PM						

LM Start	<b>1.18</b>	Rating **	M	Issue No.	<b>204 (cont)</b>
LM End	<b>1.18</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_53458\_59253.jpg



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

Photo 3 of 3 : UCIP\_FA\_2018\_53458\_59252.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/18/2018 10/18/2018	Wade Wylie

LM Start	1.36	Rating **	C	Issue No.	19
LM End	1.36	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.881372 °	37.881372 °
				-121.249782 °	-121.249782 °
DWR ID	DWR_NA0017_01_f_2018_19				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Depression across crown should be filled in.					

No Photos

LM Start	1.51	Rating **	C	Issue No.	18
LM End	1.54	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.882782 °	37.883039 °
				-121.251902 °	-121.252283 °
DWR ID	DWR_NA0017_01_f_2018_18				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
Crown needs additional gravel to maintain access and patrol capability.					

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/18/2018 10/18/2018	Wade Wylie

LM Start	2.53	Rating **	A/W	Issue No.	206	
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	17966					
Comment Code						
Inspector Comment						
FS_ID:53462						
DS_ID:17966						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 11/02/2018 Inlet uncovered from the dirt by the LMA.						
Some vegetation at the flap gate. Crossing continues to be rated "No						
Action Needed." (A. McDonald - DWR UCIP)03/25/2014 Grouted						
riprap outlet box and concrete outfall pipe on waterside. Pipe not visible						
on landside. (P. Amatya - DWR UCIP)						
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: 11/2/2018 3:43:00 PM						

LM Start	<b>2.53</b>	Rating **	A/W	Issue No.	<b>206 (cont)</b>
LM End	<b>2.53</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_53462\_59121.jpg



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

Photo 2 of 3 : UCIP\_FA\_2018\_53462\_59120.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/18/2018 10/18/2018	Wade Wylie

LM Start	2.53	Rating **	A/W	Issue No.	206 (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	17966					
Comment Code						
Inspector Comment						
FS_ID:53462						
DS_ID:17966						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 11/02/2018 Inlet uncovered from the dirt by the LMA.						
Some vegetation at the flap gate. Crossing continues to be rated "No						
Action Needed." (A. McDonald - DWR UCIP)03/25/2014 Grouted						
riprap outlet box and concrete outfall pipe on waterside. Pipe not visible						
on landside. (P. Amatya - DWR UCIP)						
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: 11/2/2018 3:43:00 PM						

Photo 3 of 3 : UCIP\_FA\_2018\_53462\_59122.jpg



WS view: concrete outfall pipe on creek bank.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/18/2018 10/18/2018	Wade Wylie

LM Start	0.50	Rating **	A/W	Issue No.	23
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	17986				
Comment Code					
Inspector Comment					
FS_ID:53457 DS_ID:17986 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/02/2018 Inlet cleared of dirt and vegetation by the LMA. Crossing continues to be rated "No Action Needed." (A. McDonald - DWR UCIP)04/02/2014 May need cleaning. (P. Amatya - DWR UCIP) 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: 11/2/2018 2:16:00 PM					

Photo 1 of 3 : UCIP\_FA\_2018\_53457\_59931.jpg



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

LM Start	<b>0.50</b>	Rating **	A/W	Issue No.	<b>23 (cont)</b>
LM End	<b>0.50</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_53457\_59930.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/18/2018 10/18/2018	Wade Wylie

LM Start	0.50	Rating **	A/W	Issue No.	23 (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	17986					
Comment Code						
Inspector Comment						
FS_ID:53457						
DS_ID:17986						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 11/02/2018 Inlet cleared of dirt and vegetation by the						
LMA. Crossing continues to be rated "No Action Needed." (A.						
McDonald - DWR UCIP)04/02/2014 May need cleaning. (P. Amatya -						
DWR UCIP)						
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: 11/2/2018 2:16:00 PM						

Photo 3 of 3 : UCIP\_FA\_2018\_53457\_59929.jpg



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

LM Start	1.06	Rating **	A/W	Issue No.	24	
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	17983					
Comment Code						
Inspector Comment						
FS_ID:53453 DS_ID:17983 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/02/2018 Inlet and outlet cleared of dirt and vegetation by the LMA. Crossing has been downgraded to "No Action Needed." (A. McDonald - DWR UCIP)04/02/2014 Needs cleaning and clearing the culvert. (P. Amatya - DWR UCIP) 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: 11/2/2018 11:37:00 AM						

Photo 1 of 3 : UCIP\_FA\_2018\_53453\_59937.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/18/2018 10/18/2018	Wade Wylie

LM Start	1.06	Rating **	A/W	Issue No.	24 (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	17983					
Comment Code						
Inspector Comment						
FS_ID:53453 DS_ID:17983 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/02/2018 Inlet and outlet cleared of dirt and vegetation by the LMA. Crossing has been downgraded to "No Action Needed." (A. McDonald - DWR UCIP)04/02/2014 Needs cleaning and clearing the culvert. (P. Amatya - DWR UCIP) 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: 11/2/2018 11:37:00 AM						

Photo 2 of 3 : UCIP\_FA\_2018\_53453\_59936.jpg



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

LM Start	<b>1.06</b>	Rating **	A/W	Issue No.	<b>24 (cont)</b>
LM End	<b>1.06</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_53453\_59938.jpg



LS view: CM inlet pipe on levee slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/18/2018 10/18/2018	Wade Wylie

LM Start	1.47	Rating **	A/W	Issue No.	27
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	23984				
Comment Code					
Inspector Comment					
FS_ID:53455					
DS_ID:23984					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: 11/02/2018 Inlet and outlet cleared of dirt and vegetation by the LMA. Crossing continues to be rated "No Action Needed." (A. McDonald - DWR UCIP)04/02/2014 May need cleaning. (P. Amatya - DWR UCIP)					
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: 11/2/2018 1:46:00 PM					

LM Start	<b>1.47</b>	Rating **	A/W	Issue No.	<b>27 (cont)</b>
LM End	<b>1.47</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_53455\_59947.jpg



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

Photo 2 of 3 : UCIP\_FA\_2018\_53455\_59946.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/18/2018 10/18/2018	Wade Wylie

LM Start	1.47	Rating **	A/W	Issue No.	27 (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	23984					
Comment Code						
Inspector Comment						
FS_ID:53455 DS_ID:23984 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/02/2018 Inlet and outlet cleared of dirt and vegetation by the LMA. Crossing continues to be rated "No Action Needed." (A. McDonald - DWR UCIP)04/02/2014 May need cleaning. (P. Amatya - DWR UCIP) 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: 11/2/2018 1:46:00 PM						

Photo 3 of 3 : UCIP\_FA\_2018\_53455\_78394.jpg



Outlet cleared of dirt and vegetation by the LMA.

LM Start	1.48	Rating **	A/W	Issue No.	28
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	23998				
Comment Code					
Inspector Comment					
FS_ID:53452					
DS_ID:23998					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: 11/02/2018 Inlet and outlet cleared of dirt and vegetation by the LMA. This crossing continues to be rated "No Action Needed." (A. McDonald - DWR UCIP)04/02/2014 Galvanized iron plate slide gate on waterside. It is not not a old pipe. The plate gate looks new. (P. Amatya - DWR UCIP)					
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: 11/2/2018 11:05:00 AM					

Photo 1 of 3 : UCIP\_FA\_2018\_53452\_59952.jpg



WS view: HDPE drain pipe on levee slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/18/2018 10/18/2018	Wade Wylie

LM Start	1.48	Rating **	A/W	Issue No.	28 (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	23998					
Comment Code						
Inspector Comment						
FS_ID:53452 DS_ID:23998 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/02/2018 Inlet and outlet cleared of dirt and vegetation by the LMA. This crossing continues to be rated "No Action Needed." (A. McDonald - DWR UCIP)04/02/2014 Galvanized iron plate slide gate on waterside. It is not not a old pipe. The plate gate looks new. (P. Amatya - DWR UCIP) 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: 11/2/2018 11:05:00 AM						

LM Start	<b>1.48</b>	Rating **	A/W	Issue No.	<b>28 (cont)</b>
LM End	<b>1.48</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_53452\_59951.jpg



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

Photo 3 of 3 : UCIP\_FA\_2018\_53452\_78388.jpg



Outlet cleared of dirt and vegetation by the LMA.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/18/2018 10/18/2018	Wade Wylie

LM Start	2.18	Rating **	A/W	Issue No.	19
LM End	2.44	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.884195°	37.887440°
				-121.253349°	-121.255540°
DWR ID	DWR_NA0017_02_s_2018_19				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					
This portion is non-project levee. This could potentially impact patrol road access and therefore is rated as A/W.					

Photo 1 of 1 : FA\_2018\_NA0017\_149\_19\_20181002\_00003.jpg



Repair crown surface looking west.

LM Start	3.00	Rating **	M	Issue No.	15
LM End	3.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.888105 °	37.888105 °
				-121.264811 °	-121.264811 °
DWR ID	DWR_NA0017_02_f_2018_15				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Tumble weeds on crown and LS should be removed. Add Gravel and spray to prevent veg growth.					

No Photos

LM Start	3.08	Rating **	M	Issue No.	17
LM End	3.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.888596 °	37.888499 °
				-121.266047 °	-121.267122 °
DWR ID	DWR_NA0017_02_f_2018_17				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Tumbleweed growth on LS slope needs to be managed.					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	0.01	Rating **	U	Issue No.	3
LM End	0.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.979172°	37.979342°
				-121.098682°	-121.090400°
DWR ID	DWR_NA0017_06_f_2018_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain vegetation on water side slope					

Photo 1 of 1 : FA\_2018\_NA0017\_150\_3\_20181025\_00007.jpg



View looking downstream (October 2018).

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	0.24	Rating **	M	Issue No.	2
LM End	0.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.979247°	37.979342°
				-121.094478°	-121.090400°
DWR ID	DWR_NA0017_06_f_2018_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain vegetation on land side slope					

Photo 1 of 1 : FA\_2018\_NA0017\_150\_2\_20181025\_00008.jpg



View looking downstream (October 2018)

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	0.24	Rating **	C	Issue No.	6
LM End	0.46	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.979252°	37.979322°
				-121.094420°	-121.090405°
DWR ID	DWR_NA0017_06_s_2018_6				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Roadway clear of vegetation					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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\_2018\_NA0017\_151\_69\_20180926\_00023.jpg



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

LM Start	1.16	Rating **	C	Issue No.	140
LM End	1.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.043266 °	38.043266 °
				-121.352457 °	-121.352457 °
DWR ID	DWR_NA0017_07_s_2018_140				
Comment Code					
ST : Stairway					
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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23695				
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					

LM Start	<b>1.33</b>	Rating **	A/W	Issue No.	<b>1054 (cont)</b>
LM End	<b>1.33</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_FA\_2018\_38092\_69303.jpg



Pipe and flapgate visible on WS slope.

Photo 2 of 2 : UCIP\_FA\_2018\_38092\_69302.jpg



Pump over sump off LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23650				
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					

LM Start	<b>1.33</b>	Rating **	A/W	Issue No.	<b>1055 (cont)</b>
LM End	<b>1.33</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_FA\_2018\_38093\_69305.jpg



Pipe and flapgate visible on WS slope.

Photo 2 of 2 : UCIP\_FA\_2018\_38093\_69304.jpg



Pump over sump off LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	1.33	Rating **	A/W	Issue No.	1056
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	23691				
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					

LM Start	<b>1.33</b>	Rating **	A/W	Issue No.	<b>1056 (cont)</b>
LM End	<b>1.33</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_FA\_2018\_38086\_69291.jpg



Pipe and flapgate visible on WS slope.

Photo 2 of 2 : UCIP\_FA\_2018\_38086\_69290.jpg



Pump over sump off LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23692				
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					

LM Start	<b>1.33</b>	Rating **	A/W	Issue No.	<b>1057 (cont)</b>
LM End	<b>1.33</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_FA\_2018\_38089\_69297.jpg



Pipe and flapgate visible on WS slope.

Photo 2 of 2 : UCIP\_FA\_2018\_38089\_69296.jpg



Pump over sump off LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23693				
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\_2018\_38088\_69295.jpg



Pipe and flapgate on WS slope.

LM Start	<b>1.33</b>	Rating **	A/W	Issue No.	<b>1058 (cont)</b>
LM End	<b>1.33</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_FA\_2018\_38088\_69294.jpg



Pump over sump off LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23694				
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					

LM Start	<b>1.33</b>	Rating **	A/W	Issue No.	<b>1059 (cont)</b>
LM End	<b>1.33</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_FA\_2018\_38087\_69293.jpg



Pipe and flapgate on WS slope.

Photo 2 of 2 : UCIP\_FA\_2018\_38087\_69292.jpg



Pump over sump off LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	1.55	Rating **	M	Issue No.	141
LM End	1.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.043300°	38.043300°
				-121.345242°	-121.345242°
DWR ID	DWR_NA0017_07_f_2017_141				
Comment Code					
DE : Debris					
Inspector Comment					
Fence material at the landside toe.					

Photo 1 of 1 : FA\_2018\_NA0017\_151\_141\_20180926\_00033.jpg



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

LM Start	1.77	Rating **	C	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					

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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	2.31	Rating **	A/W	Issue No.	1065	
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	23522					
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						

LM Start	<b>2.31</b>	Rating **	A/W	Issue No.	<b>1065 (cont)</b>
LM End	<b>2.31</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38024\_69205.jpg



Headwall and flapgate on WS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_38024\_69204.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23522					
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\_2018\_38024\_69203.jpg



Headwall at LS toe.

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

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23523				
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\_2018\_38006\_69190.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

Photo 2 of 3 : UCIP\_FA\_2018\_38006\_69189.jpg



Headwall at inlet on LS toe.

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

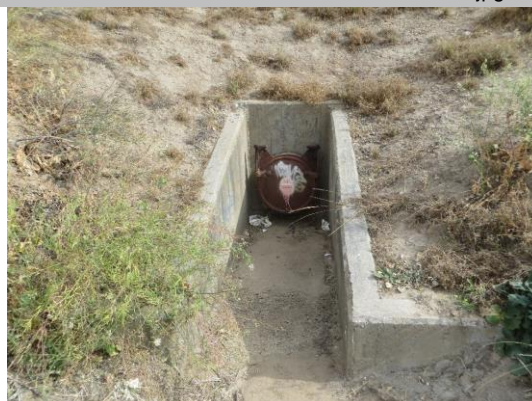
**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23523				
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\_2018\_38006\_69188.jpg



Headwall and flapgate at WS toe.

LM Start	2.68	Rating **	C	Issue No.	153
LM End	2.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.043170 °	38.043170 °
				-121.324498 °	-121.324498 °
DWR ID	DWR_NA0017_07_s_2018_153				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	2.71	Rating **	A/W	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\_2018\_NA0017\_151\_145\_20180926\_00035.jpg



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

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	23525					
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\_2018\_38004\_69184.jpg



Headwall and flapgate on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23525					
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 2 of 3 : UCIP\_FA\_2018\_38004\_69183.jpg



Headwall at LS toe.

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

Photo 3 of 3 : UCIP\_FA\_2018\_38004\_69182.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23526					
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						

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

Photo 1 of 3 : UCIP\_FA\_2018\_37999\_69164.jpg



Headwall at LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_37999\_69163.jpg



Inside pipe at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23526					
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 3 of 3 : UCIP\_FA\_2018\_37999\_69162.jpg



Headwall and flapgate at WS toe.

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	23528					
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\_2018\_37998\_69160.jpg



Headwall on LS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23528					
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						

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

Photo 2 of 3 : UCIP\_FA\_2018\_37998\_69159.jpg



Headwall and flapgate on WS toe.

Photo 3 of 3 : UCIP\_FA\_2018\_37998\_69158.jpg



Headwall on LS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	3.14	Rating **	C	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

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	23532				
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\_2018\_37991\_69144.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23532					
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 2 of 3 : UCIP\_FA\_2018\_37991\_69143.jpg



Headwall and flapgate at WS toe.

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

Photo 3 of 3 : UCIP\_FA\_2018\_37991\_69142.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23533					
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\_2018\_37988\_69139.jpg



Headwall and slidegate on LS toe.

LM Start	<b>3.49</b>	Rating **	A/W	Issue No.	<b>1072 (cont)</b>
LM End	<b>3.49</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_37988\_69138.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	3.49	Rating **	A/W	Issue No.	1072 (cont)	
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	23533					
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 3 of 3 : UCIP\_FA\_2018\_37988\_69137.jpg



Headwall and slidegate on LS toe.

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	23534				
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 1 of 3 : UCIP\_FA\_2018\_37984\_69129.jpg



Slidegate at headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23534					
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 2 of 3 : UCIP\_FA\_2018\_37984\_69128.jpg



Headwall and flapgate at WS toe.

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

Photo 3 of 3 : UCIP\_FA\_2018\_37984\_69127.jpg



Slidegate at headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	3.94	Rating **	C	Issue No.	8
LM End	3.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043126°	38.043126°
				-121.301459°	-121.301459°
DWR ID	DWR_NA0017_07_s_2018_8				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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	23535				
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\_2018\_37982\_69125.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23535					
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\_2018\_37982\_69124.jpg



Headwall at LS toe.

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

Photo 3 of 3 : UCIP\_FA\_2018\_37982\_69123.jpg



Inside pipe at LS toe.

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

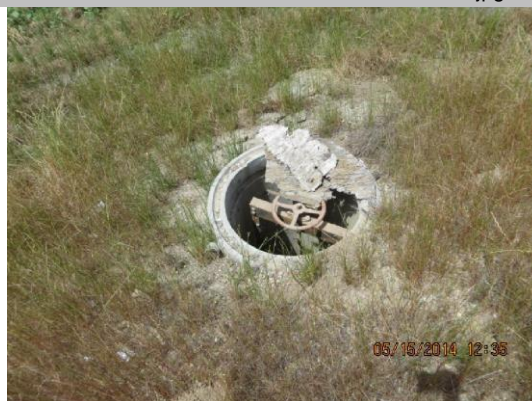
**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23536				
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\_2018\_37981\_69122.jpg



Slidegate in concrete riser on LS slope.

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

Photo 2 of 3 : UCIP\_FA\_2018\_37981\_69121.jpg



Slidegate in CMP riser on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23536					
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\_2018\_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	23538				
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\_2018\_37973\_69105.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23538					
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\_2018\_37973\_69104.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

Photo 3 of 3 : UCIP\_FA\_2018\_37973\_69103.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	4.54	Rating **	A/W	Issue No.	1078	
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	23540					
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	<b>4.54</b>	Rating **	A/W	Issue No.	<b>1078 (cont)</b>
LM End	<b>4.54</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_37967\_69085.jpg



Concrete standpipe on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_37967\_69084.jpg



Headwall and flapgate on WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	4.54	Rating **	A/W	Issue No.	1078 (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	23540					
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 3 of 3 : UCIP\_FA\_2018\_37967\_69083.jpg



Headwall and flapgate on WS toe.

LM Start	4.97	Rating **	A/W	Issue No.	1080
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	23543				
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\_2018\_37957\_69055.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	4.97	Rating **	A/W	Issue No.	1080 (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	23543				
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\_2018\_37957\_69054.jpg



Headwall and flapgate on WS toe.

LM Start	<b>4.97</b>	Rating **	A/W	Issue No.	<b>1080 (cont)</b>
LM End	<b>4.97</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_37957\_69053.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	4.97	Rating **	M	Issue No.	1081	
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	23678					
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	<b>4.97</b>	Rating **	M	Issue No.	<b>1081 (cont)</b>
LM End	<b>4.97</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_41807\_69050.jpg



Concrete headwall on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_41807\_69049.jpg



Headwall and flapgate on WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	4.97	Rating **	M	Issue No.	1081 (cont)	
LM End	4.97	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.050700 °	38.050700 °	
				-121.286552 °	-121.286552 °	
DWR ID	23678					
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\_2018\_41807\_69048.jpg



Headwall at LS toe.

LM Start	5.38	Rating **	C	Issue No.	154
LM End	5.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.052732 °	38.052732 °
				-121.279787 °	-121.279787 °
DWR ID	DWR_NA0017_07_s_2018_154				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	5.50	Rating **	C	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.					

No Photos

LM Start	5.50	Rating **	A/W	Issue No.	1082	
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	23544					
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 1 of 3 : UCIP\_FA\_2018\_37885\_68913.jpg



Pipe in channel on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	5.50	Rating **	A/W	Issue No.	1082 (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	23544					
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 2 of 3 : UCIP\_FA\_2018\_37885\_68912.jpg



Pipe in channel on LS toe.

LM Start	<b>5.50</b>	Rating **	A/W	Issue No.	<b>1082 (cont)</b>
LM End	<b>5.50</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_37885\_68911.jpg



Flapgate and headwall at WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	5.52	Rating **	M	Issue No.	1084	
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	23545					
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\_2018\_41801\_68902.jpg



Headwall and flapgate on WS toe.

LM Start	<b>5.52</b>	Rating **	M	Issue No.	<b>1084 (cont)</b>
LM End	<b>5.52</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_41801\_68901.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	5.52	Rating **	M	Issue No.	1084 (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	23545					
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 3 of 3 : UCIP\_FA\_2018\_41801\_68900.jpg



Headwall on LS toe.

LM Start	5.52	Rating **	C	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					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	5.53	Rating **	C	Issue No.	155
LM End	5.59	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.052782 °	38.052807 °
				-121.277103 °	-121.275956 °
DWR ID	DWR_NA0017_07_s_2018_155				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

LM Start	5.60	Rating **	M	Issue No.	1085	
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	23546					
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\_2018\_40213\_68899.jpg



Headwall and flapgate at WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	5.60	Rating **	M	Issue No.	1085 (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	23546					
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\_2018\_40213\_68898.jpg



Headwall and flapgate at WS toe.

LM Start	5.82	Rating **	A/W	Issue No.	1087
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	23550				
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\_2018\_37874\_68894.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	5.82	Rating **	A/W	Issue No.	1087 (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	23550					
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						

LM Start	<b>5.82</b>	Rating **	A/W	Issue No.	<b>1087 (cont)</b>
LM End	<b>5.82</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_37874\_68893.jpg



Headwall on LS toe.

Photo 3 of 3 : UCIP\_FA\_2018\_37874\_68897.jpg



Inside pipe at LS toe. Note sediment buildup.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	5.93	Rating **	M	Issue No.	1088	
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	23551					
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						

LM Start	<b>5.93</b>	Rating **	M	Issue No.	<b>1088 (cont)</b>
LM End	<b>5.93</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_41802\_68885.jpg



Headwall and flapgate on WS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_41802\_68884.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	5.93	Rating **	M	Issue No.	1088 (cont)	
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	23551					
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 3 of 3 : UCIP\_FA\_2018\_41802\_68883.jpg



Headwall on LS toe.

LM Start	6.04	Rating **	C	Issue No.	156
LM End	6.04	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.054253 °	38.054253 °
				-121.268085 °	-121.268085 °
DWR ID	DWR_NA0017_07_s_2018_156				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	6.11	Rating **	A/W	Issue No.	1089	
LM End	6.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.054467 °	38.054467 °	
				-121.266715 °	-121.266715 °	
DWR ID	23552					
Comment Code						
Inspector Comment						
FS_ID:40208						
DS_ID:23552						
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, 6.4 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. Slide gate on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 6.51) and 612 (addendum), February 1999, (HLM 6.51) (Station 343+82)].						
FS Date: 5/15/2014						

LM Start	<b>6.11</b>	Rating **	A/W	Issue No.	<b>1089 (cont)</b>
LM End	<b>6.11</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_40208\_68881.jpg



Slide gate on headwall at pipe on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_40208\_68880.jpg



Flapgate and headwall on WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	6.11	Rating **	A/W	Issue No.	1089 (cont)	
LM End	6.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.054467 °	38.054467 °	
				-121.266715 °	-121.266715 °	
DWR ID	23552					
Comment Code						
Inspector Comment						
FS_ID:40208						
DS_ID:23552						
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, 6.4 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. Slide gate on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 6.51) and 612 (addendum), February 1999, (HLM 6.51) (Station 343+82)].						
FS Date: 5/15/2014						

Photo 3 of 3 : UCIP\_FA\_2018\_40208\_68879.jpg



Slide gate on headwall at pipe on LS toe.

LM Start	6.13	Rating **	A/W	Issue No.	1090
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	23554				
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\_2018\_37852\_68873.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	6.13	Rating **	A/W	Issue No.	1090 (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	23554					
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						

LM Start	<b>6.13</b>	Rating **	A/W	Issue No.	<b>1090 (cont)</b>
LM End	<b>6.13</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_37852\_68872.jpg



Headwall, flapgate, and grouted spillway on WS toe.

Photo 3 of 3 : UCIP\_FA\_2018\_37852\_68871.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	6.44	Rating **	A/W	Issue No.	1091
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	23555				
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\_2018\_37849\_68868.jpg



Pipe and headwall on LS toe.

LM Start	<b>6.44</b>	Rating **	A/W	Issue No.	<b>1091 (cont)</b>
LM End	<b>6.44</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_37849\_68867.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	6.44	Rating **	A/W	Issue No.	1091 (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	23555				
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 3 of 3 : UCIP\_FA\_2018\_37849\_68866.jpg



Inside pipe at LS toe.

LM Start	6.62	Rating **	A/W	Issue No.	1094
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	23557				
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\_2018\_37847\_68860.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	6.62	Rating **	A/W	Issue No.	1094 (cont)	
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	23557					
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 2 of 3 : UCIP\_FA\_2018\_37847\_68859.jpg



Pipe and headwall on LS toe.

LM Start	<b>6.62</b>	Rating **	A/W	Issue No.	<b>1094 (cont)</b>
LM End	<b>6.62</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_37847\_68858.jpg



Inside pipe on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	6.76	Rating **	A/W	Issue No.	1096
LM End	6.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.061050 °	38.061050 °
				-121.259836 °	-121.259836 °
DWR ID	23559				
Comment Code					
Inspector Comment					
FS_ID:40207 DS_ID:23559 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. 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 612.1, June 1965, (HLM 7.14) 8-inch pipe listed]. FS Date: 5/15/2014					

Photo 1 of 1 : UCIP\_FA\_2018\_40207\_68857.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	6.82	Rating **	A/W	Issue No.	1097
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	23561				
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\_2018\_37844\_68853.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	6.82	Rating **	A/W	Issue No.	1097 (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	23561					
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 2 of 3 : UCIP\_FA\_2018\_37844\_68852.jpg



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

LM Start	<b>6.82</b>	Rating **	A/W	Issue No.	<b>1097 (cont)</b>
LM End	<b>6.82</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_37844\_68851.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	6.95	Rating **	A/W	Issue No.	1098	
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	23562					
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	<b>6.95</b>	Rating **	A/W	Issue No.	<b>1098 (cont)</b>
LM End	<b>6.95</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_37842\_68848.jpg



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

Photo 2 of 3 : UCIP\_FA\_2018\_37842\_68847.jpg



Pipe and headwall on LS toe.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	7.11	Rating **	A/W	Issue No.	1099 (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	23563					
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 2 of 3 : UCIP\_FA\_2018\_37841\_68842.jpg



Pipe and headwall at LS toe.

LM Start	7.11	Rating **	A/W	Issue No.	1099 (cont)
LM End	7.11	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_37841\_68841.jpg



Pipe and headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	7.31	Rating **	A/W	Issue No.	1100
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	23564				
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\_2018\_37840\_68838.jpg



Pipe and headwall on LS toe.

LM Start	<b>7.31</b>	Rating **	A/W	Issue No.	<b>1100 (cont)</b>
LM End	<b>7.31</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_37840\_68837.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	7.31	Rating **	A/W	Issue No.	1100 (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	23564					
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\_2018\_37840\_68836.jpg



Pipe and headwall on LS toe.

LM Start	7.35	Rating **	A/W	Issue No.	1101	
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	23565					
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\_2018\_37839\_68833.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	7.35	Rating **	A/W	Issue No.	1101 (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	23565					
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\_2018\_37839\_68832.jpg



Pipe and headwall on LS toe.

LM Start	<b>7.35</b>	Rating **	A/W	Issue No.	<b>1101 (cont)</b>
LM End	<b>7.35</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_37839\_68831.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	7.36	Rating **	A/W	Issue No.	1102	
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	23566					
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 1 of 3 : UCIP\_FA\_2018\_37838\_68828.jpg



Pipe and headwall on LS toe.

LM Start	<b>7.36</b>	Rating **	A/W	Issue No.	<b>1102 (cont)</b>
LM End	<b>7.36</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_37838\_68827.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	7.36	Rating **	A/W	Issue No.	1102 (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	23566					
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\_2018\_37838\_68826.jpg



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

LM Start	7.42	Rating **	M	Issue No.	158
LM End	7.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.065539 °	38.065539 °
				-121.249563 °	-121.249563 °
DWR ID	DWR_NA0017_07_s_2018_158				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	7.58	Rating **	A/W	Issue No.	1103	
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	23567					
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						

LM Start	<b>7.58</b>	Rating **	A/W	Issue No.	<b>1103 (cont)</b>
LM End	<b>7.58</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_37837\_68823.jpg



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

Photo 2 of 3 : UCIP\_FA\_2018\_37837\_68822.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	7.58	Rating **	A/W	Issue No.	1103 (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	23567					
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 3 of 3 : UCIP\_FA\_2018\_37837\_68821.jpg



Pipe and headwall on LS toe.

LM Start	7.73	Rating **	A/W	Issue No.	1104	
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	23568					
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\_2018\_37835\_68818.jpg



Pipe, flapgate, and headwall at WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	7.73	Rating **	A/W	Issue No.	1104 (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	23568					
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 2 of 3 : UCIP\_FA\_2018\_37835\_68817.jpg



Pipe and headwall at LS toe.

LM Start	<b>7.73</b>	Rating **	A/W	Issue No.	<b>1104 (cont)</b>
LM End	<b>7.73</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_37835\_68816.jpg



Pipe and headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	7.85	Rating **	A/W	Issue No.	1105	
LM End	7.85	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.067469 °		38.067469 °
				-121.242233 °		-121.242233 °
DWR ID	23569					
Comment Code						
Inspector Comment						
FS_ID:37832 DS_ID:23569 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, 10.5 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 headwall on both ends. Cobble grouted spillway on bank. 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 8.28)]. FS Date: 5/14/2014						

LM Start	<b>7.85</b>	Rating **	A/W	Issue No.	<b>1105 (cont)</b>
LM End	<b>7.85</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_37832\_68813.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_37832\_68812.jpg



Slidegate in 48-inch CMP riser on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	7.85	Rating **	A/W	Issue No.	1105 (cont)
LM End	7.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.067469 °	38.067469 °
				-121.242233 °	-121.242233 °
DWR ID	23569				
Comment Code					
Inspector Comment					
FS_ID:37832					
DS_ID:23569					
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, 10.5 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 headwall on both ends. Cobble grouted spillway on bank. 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 8.28)].					
FS Date: 5/14/2014					

Photo 3 of 3 : UCIP\_FA\_2018\_37832\_68811.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	7.86	Rating **	A/W	Issue No.	1106
LM End	7.86	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.067469 °	38.067469 °
				-121.242214 °	-121.242214 °
DWR ID	23682				
Comment Code					
Inspector Comment					
FS_ID:37831 DS_ID:23682 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, 10.5 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 headwall on both ends. Cobble grouted spillway on bank. 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 8.28)]. FS Date: 5/14/2014					

Photo 1 of 3 : UCIP\_FA\_2018\_37831\_68808.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	7.86	Rating **	A/W	Issue No.	1106 (cont)
LM End	7.86	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.067469 °	38.067469 °
				-121.242214 °	-121.242214 °
DWR ID	23682				
Comment Code					
Inspector Comment					
FS_ID:37831 DS_ID:23682 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, 10.5 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 headwall on both ends. Cobble grouted spillway on bank. 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 8.28)]. FS Date: 5/14/2014					

Photo 2 of 3 : UCIP\_FA\_2018\_37831\_68807.jpg



Slide gate in 48-inch CMP riser on WS slope.

LM Start	<b>7.86</b>	Rating **	A/W	Issue No.	<b>1106 (cont)</b>
LM End	<b>7.86</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_37831\_68806.jpg



Pipe, flapgate, and headwall on WS slope.

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

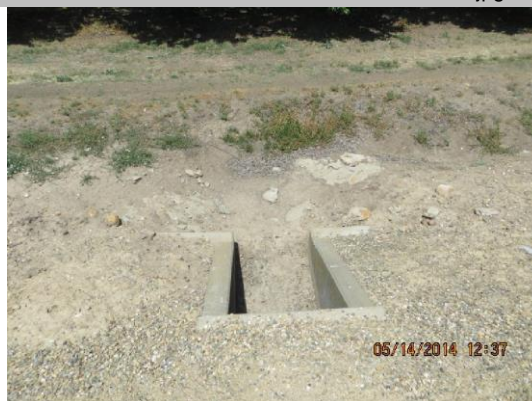
**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23570					
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\_2018\_37830\_68804.jpg



Pipe and headwall on LS toe.

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

Photo 2 of 3 : UCIP\_FA\_2018\_37830\_68803.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23570					
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 3 of 3 : UCIP\_FA\_2018\_37830\_68802.jpg



Inside pipe on LS toe.

LM Start	8.08	Rating **	C	Issue No.	160
LM End	8.08	Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.067468 °	38.067468 °
				-121.238098 °	-121.238098 °
DWR ID	DWR_NA0017_07_s_2018_160				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23572					
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						

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

Photo 1 of 3 : UCIP\_FA\_2018\_37826\_68796.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_37826\_68795.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23572					
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\_2018\_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	23573				
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\_2018\_37825\_68791.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23573					
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 2 of 3 : UCIP\_FA\_2018\_37825\_68790.jpg



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

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

Photo 3 of 3 : UCIP\_FA\_2018\_37825\_68789.jpg



Pipe, headwall, and flapgate on WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23574				
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	<b>8.54</b>	Rating **	A/W	Issue No.	<b>1110 (cont)</b>
LM End	<b>8.54</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_37818\_68761.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_37818\_68760.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23574					
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\_2018\_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	23576					
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\_2018\_40206\_68756.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	8.73	Rating **	A/W	Issue No.	1111 (cont)	
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	23576					
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 2 of 3 : UCIP\_FA\_2018\_40206\_68755.jpg



Pipe, flapgate, and headwall on WS toe.

LM Start	<b>8.73</b>	Rating **	A/W	Issue No.	<b>1111 (cont)</b>
LM End	<b>8.73</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_40206\_68754.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23578				
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 1 of 3 : UCIP\_FA\_2018\_42951\_68751.jpg



Pipe and headwall on LS toe.

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

Photo 2 of 3 : UCIP\_FA\_2018\_42951\_68750.jpg



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

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

Headwall and pipe at LS toe.

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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23580					
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 2 of 3 : UCIP\_FA\_2018\_37813\_68746.jpg



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

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

Photo 3 of 3 : UCIP\_FA\_2018\_37813\_68745.jpg



Headwall and pipe at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23582					
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						

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

Photo 1 of 3 : UCIP\_FA\_2018\_37810\_68742.jpg



Headwall and flapgate on WS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_37810\_68741.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23582					
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\_2018\_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	23583					
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\_2018\_37809\_68738.jpg



Concrete headwall and pipe on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23583					
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\_2018\_37809\_68737.jpg



Headwall, pipe, and flapgate on WS toe.

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

Photo 3 of 3 : UCIP\_FA\_2018\_37809\_68736.jpg



Inside pipe at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23584				
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	<b>9.65</b>	Rating **	A/W	Issue No.	<b>1116 (cont)</b>
LM End	<b>9.65</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_37807\_68732.jpg



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

Photo 2 of 3 : UCIP\_FA\_2018\_37807\_68731.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23584				
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\_2018\_37807\_68730.jpg



Pipe and headwall on LS toe.

LM Start	9.65	Rating **	C	Issue No.	162
LM End	9.68	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.074185 °	38.074288 °
				-121.211850 °	-121.211363 °
DWR ID	DWR_NA0017_07_s_2018_162				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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

LM Start	9.75	Rating **	C	Issue No.	163
LM End	9.75	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.074547 °	38.074547 °
				-121.210121 °	-121.210121 °
DWR ID	DWR_NA0017_07_s _ 2018_163				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

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\_2018\_NA0017\_151\_46\_20180926\_00014.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23585				
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	<b>9.98</b>	Rating **	M	Issue No.	<b>1117 (cont)</b>
LM End	<b>9.98</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_41804\_68727.jpg



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

Photo 2 of 3 : UCIP\_FA\_2018\_41804\_68726.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23585				
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 3 of 3 : UCIP\_FA\_2018\_41804\_68725.jpg



Pipe and headwall on LS toe.

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	23586					
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 1 of 3 : UCIP\_FA\_2018\_37803\_68722.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23586				
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 2 of 3 : UCIP\_FA\_2018\_37803\_68721.jpg



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

Photo 3 of 3 : UCIP\_FA\_2018\_37803\_68720.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23646				
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	<b>10.43</b>	Rating **	A/W	Issue No.	<b>1119 (cont)</b>
LM End	<b>10.43</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_37786\_68701.jpg



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

Photo 2 of 3 : UCIP\_FA\_2018\_37786\_68700.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23646				
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 3 of 3 : UCIP\_FA\_2018\_37786\_68703.jpg



Inside pipe from LS toe.

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	23587					
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\_2018\_41805\_68682.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	10.65	Rating **	M	Issue No.	1120 (cont)	
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	23587					
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						

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

Photo 2 of 3 : UCIP\_FA\_2018\_41805\_68681.jpg



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

Photo 3 of 3 : UCIP\_FA\_2018\_41805\_68680.jpg



Pipe, flapgate, and headwall on WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	10.81	Rating **	A/W	Issue No.	1121
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	23588				
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					

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

Photo 1 of 3 : UCIP\_FA\_2018\_37779\_68666.jpg



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

Photo 2 of 3 : UCIP\_FA\_2018\_37779\_68665.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23588					
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 3 of 3 : UCIP\_FA\_2018\_37779\_68659.jpg



Inside pipe at LS toe.

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	23590					
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 1 of 3 : UCIP\_FA\_2018\_37773\_68635.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23590					
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 2 of 3 : UCIP\_FA\_2018\_37773\_68634.jpg



Pipe and headwall on LS toe.

Photo 3 of 3 : UCIP\_FA\_2018\_37773\_68633.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23593				
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	<b>11.79</b>	Rating **	M	Issue No.	<b>1124 (cont)</b>
LM End	<b>11.79</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_37753\_68594.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_37753\_68593.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23593					
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 3 of 3 : UCIP\_FA\_2018\_37753\_68592.jpg



Pipe and headwall on LS toe.

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	23594				
Comment Code					
Inspector Comment					
FS_ID:53044 DS_ID:23594 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 10/10/2018 20-inch Snap-Tite lining pipes were sleeved through the damaged 24-inch CMP culvert. Annular space was pressure grouted. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage culvert through the levee, 7.5 feet below the crown. 20-inch Snap-Tite lining pipes sleeved through the 24-inch corrugated metal drainage culvert, 10/09/2018. Annular space pressure grouted, 10/10/2018. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each 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 12.40)]. FS Date: 10/10/2018					

Photo 1 of 3 : UCIP\_FA\_2018\_53044\_68589.jpg



Pipe and headwall at the LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23594					
Comment Code						
Inspector Comment						
FS_ID:53044						
DS_ID:23594						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 10/10/2018 20-inch Snap-Tite lining pipes were sleeved through the damaged 24-inch CMP culvert. Annular space was pressure grouted.						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage culvert through the levee, 7.5 feet below the crown. 20-inch Snap-Tite lining pipes sleeved through the 24-inch corrugated metal drainage culvert, 10/09/2018. Annular space pressure grouted, 10/10/2018. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each 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 12.40)].						
FS Date: 10/10/2018						

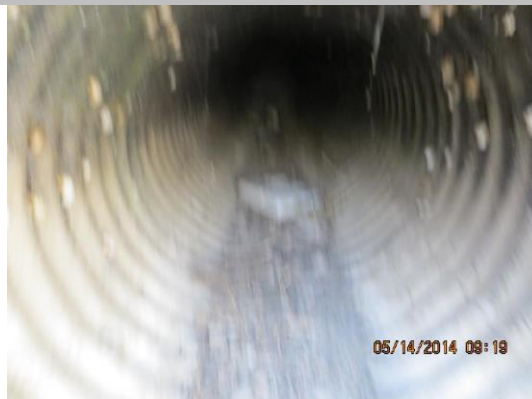
Photo 2 of 3 : UCIP\_FA\_2018\_53044\_68588.jpg



Pipe, flap gate, and headwall at the WS toe.

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

Photo 3 of 3 : UCIP\_FA\_2018\_53044\_68591.jpg



A look inside the CMP culvert at the inlet on the LS.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23505				
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					

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

Photo 1 of 3 : UCIP\_FA\_2018\_37751\_68585.jpg



Headwall and pipe on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_37751\_68584.jpg



Headwall, pipe, and flapgate on WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23505					
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 3 of 3 : UCIP\_FA\_2018\_37751\_68583.jpg



Headwall and pipe on LS toe.

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	23507					
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\_2018\_37745\_68567.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23507					
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 2 of 3 : UCIP\_FA\_2018\_37745\_68566.jpg



Pipe and headwall on LS toe.

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

Photo 3 of 3 : UCIP\_FA\_2018\_37745\_68565.jpg



Inside of pipe on LS toe. Silt buildup.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23508					
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\_2018\_37732\_68555.jpg



Pipe and headwall at LS toe.

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\_2018\_37732\_68554.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23508					
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 3 of 3 : UCIP\_FA\_2018\_37732\_68553.jpg



Inside pipe at LS toe.

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	23509				
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 1 of 3 : UCIP\_FA\_2018\_37731\_68550.jpg



Pipe, flapgate, and headwall on WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23509				
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 2 of 3 : UCIP\_FA\_2018\_37731\_68549.jpg



Pipe and headwall on LS toe.

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

Photo 3 of 3 : UCIP\_FA\_2018\_37731\_68548.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23512				
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	<b>12.74</b>	Rating **	A/W	Issue No.	<b>1131 (cont)</b>
LM End	<b>12.74</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_37719\_68528.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_37719\_68527.jpg



Pipe, flapgate, and headwall on WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23512				
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 3 of 3 : UCIP\_FA\_2018\_37719\_68526.jpg



Pipe, flapgate, and headwall on WS toe.

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	23597					
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\_2018\_37690\_68450.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23597					
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						

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

Photo 2 of 3 : UCIP\_FA\_2018\_37690\_68449.jpg



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

Photo 3 of 3 : UCIP\_FA\_2018\_37690\_68448.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23598				
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					

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

Photo 1 of 3 : UCIP\_FA\_2018\_37689\_68446.jpg



Pipe and concrete headwall on LS slope.

Photo 2 of 3 : UCIP\_FA\_2018\_37689\_68445.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23598				
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 3 of 3 : UCIP\_FA\_2018\_37689\_68444.jpg



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

LM Start	13.49	Rating **	M	Issue No.	169
LM End	13.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.111359 °	38.111359 °
				-121.172764 °	-121.172764 °
DWR ID	DWR_NA0017_07_s_2018_169				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23600				
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\_2018\_37675\_68408.jpg



Pipe and concrete headwall on LS toe.

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

Photo 2 of 3 : UCIP\_FA\_2018\_37675\_68405.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23600				
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\_2018\_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	23601				
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\_2018\_37666\_68385.jpg



Pipe, flapgate, and headwall on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23601					
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\_2018\_37666\_68384.jpg



Pipe, flapgate, and headwall on WS slope.

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

Photo 3 of 3 : UCIP\_FA\_2018\_37666\_68383.jpg



Drop-inlet on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23602					
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						

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

Photo 1 of 3 : UCIP\_FA\_2018\_37663\_68359.jpg



Cobble grouted inlet from fish pond on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_37663\_68358.jpg



Pipe, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23602					
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\_2018\_37663\_68357.jpg



Pipe, flapgate, and grouted spillway on WS slope.

LM Start	14.01	Rating **	M	Issue No.	179
LM End	14.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.118779 °	38.118779 °
				-121.171325 °	-121.171325 °
DWR ID	DWR_NA0017_07_s_2018_179				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion on waterside caused by 2 pipe outlets.					

Photo 1 of 1 : FA\_2018\_NA0017\_151\_179\_20180926\_00045.jpg



NA17 SJCFC&amp;WCD Unit 7 Issue 179 LM14.01 erosion waterside photo from opposite side of channel looking west.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	14.03	Rating **	M	Issue No.	148
LM End	14.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.119080°	38.119080°
				-121.171212°	-121.171212°
DWR ID	DWR_NA0017_07_f_2018_148				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion on waterside slope.					

No Photos

LM Start	14.15	Rating **	C	Issue No.	173
LM End	14.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.120487 °	38.120487 °
				-121.170050 °	-121.170050 °
DWR ID	DWR_NA0017_07_s_2018_173				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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\_2018\_478\_2262.jpg



LM Start	<b>14.27</b>	Rating **	A/W	Issue No.	<b>139 (cont)</b>
LM End	<b>14.27</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : LEVAL\_FA\_2018\_478\_2264.jpg



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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	14.27	Rating **	A/W	Issue No.	139 (cont)	
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 3 of 3 : LEVAL\_FA\_2018\_478\_2267.jpg



LM Start	14.37	Rating **	C	Issue No.	174
LM End	14.37	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.123625 °	38.123625 °
				-121.169657 °	-121.169657 °
DWR ID	DWR_NA0017_07_s_2018_174				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	14.41	Rating **	C	Issue No.	176
LM End	14.41	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.124167°	38.124167°
				-121.169431°	-121.169431°
DWR ID	DWR_NA0017_07_s_2018_176				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

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	23604				
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\_2018\_37660\_68354.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	14.45	Rating **	A/W	Issue No.	1147 (cont)
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	23604				

**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

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

Photo 2 of 3 : UCIP\_FA\_2018\_37660\_68353.jpg



Pipe and headwall on LS toe.

Photo 3 of 3 : UCIP\_FA\_2018\_37660\_68352.jpg



Inside concrete pipe at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	14.54	Rating **	A/W	Issue No.	1149
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	23605				
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 1 of 3 : UCIP\_FA\_2018\_37658\_68343.jpg



Grouted spillway and pipe visible on WS slope.

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

Photo 2 of 3 : UCIP\_FA\_2018\_37658\_68342.jpg



Grouted spillway and pipe visible on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23605					
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 3 of 3 : UCIP\_FA\_2018\_37658\_68341.jpg



Inside pipe at WS slope.

LM Start	14.63	Rating **	M	Issue No.	177
LM End	14.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.126218 °	38.126404 °
				-121.166447 °	-121.165761 °
DWR ID	DWR_NA0017_07_s_2018_177				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23607					
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						

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

Photo 1 of 3 : UCIP\_FA\_2018\_37655\_68336.jpg



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

Photo 2 of 3 : UCIP\_FA\_2018\_37655\_68335.jpg



Concrete headwall and pipe at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23607					
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\_2018\_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	23609					
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\_2018\_37653\_68329.jpg



Concrete headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23609					
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\_2018\_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\_2018\_37653\_68327.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

LM Start	15.16	Rating **	C	Issue No.	178
LM End	15.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.130227 °	38.130227 °
				-121.158465 °	-121.158465 °
DWR ID	DWR_NA0017_07_s_2018_178				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

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\_2018\_NA0017\_151\_53\_20180926\_00019.jpg



View of a stump in the landward 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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23610					
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						

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

Photo 1 of 3 : UCIP\_FA\_2018\_37652\_68326.jpg



24-inch riser/dropinlet on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_37652\_68325.jpg



Concrete headwall on WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23610					
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 3 of 3 : UCIP\_FA\_2018\_37652\_68324.jpg



Pipe, flapgate, and Concrete headwall on WS slope.

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	23611					
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 1 of 3 : UCIP\_FA\_2018\_37651\_68322.jpg



Concrete headwall and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23611				
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 2 of 3 : UCIP\_FA\_2018\_37651\_68321.jpg



concrete headwall on LS toe.

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

Photo 3 of 3 : UCIP\_FA\_2018\_37651\_68320.jpg



concrete headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23612					
Comment Code						
Inspector Comment						
FS_ID:53498						
DS_ID:23612						
EP_NO: N/A						
Repair Type: Urgent						
Crossing Status: Found						
UCIP Comments: 09/18/2018 Levee is so short that it's almost nonexistent. Pipe goes just under levee and acts as an open storm drain. Inlet is bent down. There is a flooding potential because this pipe is open and goes straight through the levee; therefore, this crossing remains "Urgent." (A. McDonald - DWR UCIP)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 culvert 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: 9/18/2018						

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

Photo 1 of 3 : UCIP\_FA\_2018\_53498\_68319.jpg



Pipe visible on WS slope with grouted spillway.

Photo 2 of 3 : UCIP\_FA\_2018\_53498\_68318.jpg



Pipe at inlet on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23612					
Comment Code						
Inspector Comment						
FS_ID:53498						
DS_ID:23612						
EP_NO: N/A						
Repair Type: Urgent						
Crossing Status: Found						
UCIP Comments: 09/18/2018 Levee is so short that it's almost nonexistent. Pipe goes just under levee and acts as an open storm drain. Inlet is bent down. There is a flooding potential because this pipe is open and goes straight through the levee; therefore, this crossing remains "Urgent." (A. McDonald - DWR UCIP)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 culvert 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: 9/18/2018						

Photo 3 of 3 : UCIP\_FA\_2018\_53498\_68317.jpg



Inside pipe at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23614					
Comment Code						
Inspector Comment						
FS_ID:53499 DS_ID:23614 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 09/18/2018 Levee is so short that it's almost nonexistent. Pipe goes just under levee and acts as an open storm drain. There is a flooding potential because this pipe is open and goes straight through the levee; therefore, this crossing remains "Urgent." (A. McDonald - DWR UCIP)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 culvert 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: 9/18/2018						

Photo 1 of 3 : UCIP\_FA\_2018\_53499\_68316.jpg



Pipe on WS slope.

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

Photo 2 of 3 : UCIP\_FA\_2018\_53499\_68315.jpg



Pipe at inlet on LS shoulder.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/29/2018 10/29/2018	Zach Jojola

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	23614					
Comment Code						
Inspector Comment						
FS_ID:53499 DS_ID:23614 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 09/18/2018 Levee is so short that it's almost nonexistent. Pipe goes just under levee and acts as an open storm drain. There is a flooding potential because this pipe is open and goes straight through the levee; therefore, this crossing remains "Urgent." (A. McDonald - DWR UCIP)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 culvert 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: 9/18/2018						

Photo 3 of 3 : UCIP\_FA\_2018\_53499\_68314.jpg



Inside pipe at LS inlet.

LM Start	15.88	Rating **	U	Issue No.	180
LM End	15.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.137840 °	38.137840 °
				-121.152028 °	-121.152028 °
DWR ID	DWR_NA0017_07_f_2018_180				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff from previous rain.					

Photo 1 of 2 : FA\_2018\_NA0017\_151\_180\_20181031\_00344.jpg



View of erosion on the waterside slope. Fall 2018.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	1.26	Rating **	C	Issue No.	182
LM End	1.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.042909 °	38.042909 °
				-121.361181 °	-121.361181 °
DWR ID	DWR_NA0017_08_s_2018_182				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair erosion at landside toe.					

No Photos

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\_2018\_NA0017\_152\_162\_20180926\_00032.jpg

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

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\_2018\_NA0017\_152\_159\_20180926\_00030.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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\_2018\_NA0017\_152\_115\_20180926\_00019.jpg



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

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	23731				
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 1 of 3 : UCIP\_FA\_2018\_38523\_70515.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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	23731					
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 2 of 3 : UCIP\_FA\_2018\_38523\_70514.jpg



Siphon Breaker in CMP riser on WS shoulder.

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

Photo 3 of 3 : UCIP\_FA\_2018\_38523\_70513.jpg



flapgate on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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	23821					
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						

LM Start	<b>2.15</b>	Rating **	A/W	Issue No.	<b>1118 (cont)</b>
LM End	<b>2.15</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38524\_70518.jpg



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

Photo 2 of 3 : UCIP\_FA\_2018\_38524\_70517.jpg



siphon breaker visible in 24-inch CMP riser on WS shoulder.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	2.15	Rating **	A/W	Issue No.	1118 (cont)
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	23821				
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 3 of 3 : UCIP\_FA\_2018\_38524\_70516.jpg



Flapgate on WS slope.

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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	<b>2.38</b>	Rating **	N	Issue No.	<b>168</b>
LM End	<b>2.38</b>	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	<b>2.40</b>	Rating **	C	Issue No.	<b>169</b>
LM End	<b>2.40</b>	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					

No Photos

LM Start	<b>2.41</b>	Rating **	N	Issue No.	<b>40</b>
LM End	<b>2.41</b>	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_f_2018_40				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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\_2018\_NA0017\_152\_12\_20180926\_00002.jpg



View of stumps along the landward toe looking upstream.

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	2.68	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                      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 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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\_2018\_NA0017\_152\_171\_20180926\_00036.jpg



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

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	3.01	Rating **	M	Issue No.	172
LM End	3.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.042671 °	38.042671 °
				-121.328945 °	-121.328945 °
DWR ID	DWR_NA0017_08_s_2018_172				
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



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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	3.11	Rating **	C	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					

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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	23734					
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						

LM Start	<b>3.65</b>	Rating **	A/W	Issue No.	<b>1127 (cont)</b>
LM End	<b>3.65</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38510\_70478.jpg



Headwall at LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_38510\_70477.jpg



Headwall and flapgate at WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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	23734					
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\_2018\_38510\_70476.jpg



Headwall at LS toe.

LM Start	3.71	Rating **	A/W	Issue No.	1129	
LM End	3.71	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.042625 °		38.042625 °
				-121.316274 °		-121.316274 °
DWR ID	23808					
Comment Code						
Inspector Comment						
FS_ID:38507 DS_ID:23808 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch concrete storm drainage pipe through the levee, 9 feet below the crown. Slide gate inside a 72-inch concrete standpipe on the waterside (WS) shoulder. Concrete U-shaped headwalls on both slopes. [Additional Reference(s): USACE San Joaquin O&M Manual 612 (addendum), February 1999, (HLM 3.92) (Station 206+75)]. FS Date: 5/22/2014						

Photo 1 of 3 : UCIP\_FA\_2018\_38507\_70468.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	3.71	Rating **	A/W	Issue No.	1129 (cont)	
LM End	3.71	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.042625 °	38.042625 °	
				-121.316274 °	-121.316274 °	
DWR ID	23808					
Comment Code						
Inspector Comment						
FS_ID:38507						
DS_ID:23808						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch concrete storm drainage pipe through the levee, 9 feet below the crown. Slide gate inside a 72-inch concrete standpipe on the waterside (WS) shoulder. Concrete U-shaped headwalls on both slopes. [Additional Reference(s): USACE San Joaquin O&M Manual 612 (addendum), February 1999, (HLM 3.92) (Station 206+75)].						
FS Date: 5/22/2014						

Photo 2 of 3 : UCIP\_FA\_2018\_38507\_70467.jpg



Slide gate in 72-inch concrete standpipe on WS shoulder. Headwall and flapgate visible in background on WS slope.

LM Start	<b>3.71</b>	Rating **	A/W	Issue No.	<b>1129 (cont)</b>
LM End	<b>3.71</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38507\_70466.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	4.55	Rating **	A/W	Issue No.	1132	
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	23736					
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						

LM Start	<b>4.55</b>	Rating **	A/W	Issue No.	<b>1132 (cont)</b>
LM End	<b>4.55</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38477\_70362.jpg



Headwall at LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_38477\_70361.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	4.55	Rating **	A/W	Issue No.	1132 (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	23736					
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 3 of 3 : UCIP\_FA\_2018\_38477\_70360.jpg



Headwall at LS toe.

LM Start	5.56	Rating **	A/W	Issue No.	1134
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	23709				
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 1 of 3 : UCIP\_FA\_2018\_38444\_70291.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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	23709					
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 2 of 3 : UCIP\_FA\_2018\_38444\_70290.jpg



Headwall, flapgate, and grouted spillway on WS toe.

LM Start	<b>5.56</b>	Rating **	A/W	Issue No.	<b>1134 (cont)</b>
LM End	<b>5.56</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38444\_70289.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	5.57	Rating **	C	Issue No.	154
LM End	5.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.050259 °	38.050259 °
				-121.286158 °	-121.286158 °
DWR ID	DWR_NA0017_08_s_2018_154				
Comment Code					
DE : Debris					
Inspector Comment					
Car bumper at landside hinge point.					

No Photos

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	23711				
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\_2018\_38427\_70280.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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	23711					
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						

LM Start	<b>6.10</b>	Rating **	A/W	Issue No.	<b>1136 (cont)</b>
LM End	<b>6.10</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38427\_70279.jpg



Headwall, flapgate, and grouted spillway on WS toe.

Photo 3 of 3 : UCIP\_FA\_2018\_38427\_70278.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	6.20	Rating **	M	Issue No.	1138	
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	23713					
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 1 of 3 : UCIP\_FA\_2018\_38373\_70038.jpg



Headwall and slidegate on LS toe.

LM Start	6.20	Rating **	M	Issue No.	1138 (cont)
LM End	6.20	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38373\_70037.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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	23713					
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\_2018\_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	23714					
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\_2018\_38368\_70029.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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	23714					
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						

LM Start	<b>6.41</b>	Rating **	A/W	Issue No.	<b>1139 (cont)</b>
LM End	<b>6.41</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38368\_70028.jpg



Headwall, flapgate, and grouted spillway on WS toe.

Photo 3 of 3 : UCIP\_FA\_2018\_38368\_70027.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	6.47	Rating **	C	Issue No.	156
LM End	6.47	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.053066 °	38.053066 °
				-121.270462 °	-121.270462 °
DWR ID	DWR_NA0017_08_s_2018_156				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

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	23715					
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\_2018\_38367\_70024.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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	23715					
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 2 of 3 : UCIP\_FA\_2018\_38367\_70023.jpg



Headwall, flapgate, and grouted spillway on WS toe.

LM Start	<b>6.56</b>	Rating **	A/W	Issue No.	<b>1140 (cont)</b>
LM End	<b>6.56</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38367\_70022.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	6.57	Rating **	C	Issue No.	157
LM End	6.57	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.053382 °	38.053382 °
				-121.268717 °	-121.268717 °
DWR ID	DWR_NA0017_08_s_2018_157				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

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	23716				
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\_2018\_38365\_70019.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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	23716					
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\_2018\_38365\_70018.jpg



Headwall, flapgate, and grouted spillway on WS toe.

LM Start	<b>6.63</b>	Rating **	A/W	Issue No.	<b>1141 (cont)</b>
LM End	<b>6.63</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38365\_70017.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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	23718				
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\_2018\_38363\_70010.jpg



Headwall on LS toe.

LM Start	<b>6.71</b>	Rating **	A/W	Issue No.	<b>1142 (cont)</b>
LM End	<b>6.71</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38363\_70009.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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	23718				
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\_2018\_38363\_70008.jpg



Headwall on LS toe.

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	23719					
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\_2018\_38361\_70005.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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	23719					
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 2 of 3 : UCIP\_FA\_2018\_38361\_70004.jpg



Headwall, flapgate, and grouted spillway on WS toe.

LM Start	<b>6.83</b>	Rating **	A/W	Issue No.	<b>1143 (cont)</b>
LM End	<b>6.83</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38361\_70003.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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	23812					
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\_2018\_38360\_70000.jpg



Headwall at LS toe.

LM Start	<b>6.83</b>	Rating **	A/W	Issue No.	<b>1144 (cont)</b>
LM End	<b>6.83</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38360\_69999.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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	23812					
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 3 of 3 : UCIP\_FA\_2018\_38360\_69998.jpg



Headwall on LS toe.

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	23720				
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\_2018\_38359\_69995.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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	23720					
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 2 of 3 : UCIP\_FA\_2018\_38359\_69994.jpg



Headwall, flapgate, and grouted spillway on WS toe.

LM Start	<b>6.90</b>	Rating **	A/W	Issue No.	<b>1145 (cont)</b>
LM End	<b>6.90</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38359\_69993.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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	23721					
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\_2018\_38358\_69990.jpg



Headwall on LS toe.

LM Start	<b>7.08</b>	Rating **	A/W	Issue No.	<b>1146 (cont)</b>
LM End	<b>7.08</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38358\_69989.jpg



Headwall and flapgate on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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	23721				
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 3 of 3 : UCIP\_FA\_2018\_38358\_69988.jpg



Headwall on LS toe.

LM Start	7.28	Rating **	C	Issue No.	152
LM End	7.28	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			38.059847 °	38.059847 °
				-121.260184 °	-121.260184 °
DWR ID	DWR_NA0017_08_s_2018_152				
Comment Code					
Inspector Comment					
Repair gate to close properly.					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	7.47	Rating **	M	Issue No.	1149	
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	23743					
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\_2018\_41809\_69980.jpg



Concrete headwall on LS toe.

LM Start	<b>7.47</b>	Rating **	M	Issue No.	<b>1149 (cont)</b>
LM End	<b>7.47</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_41809\_69979.jpg



Concrete headwall and flapgate at WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	7.47	Rating **	M	Issue No.	1149 (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	23743					
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 3 of 3 : UCIP\_FA\_2018\_41809\_69978.jpg



Concrete headwall on LS toe. Cobbles distributed at inlet.

LM Start	7.99	Rating **	M	Issue No.	1150	
LM End	7.99	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	23744					
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 1 of 3 : UCIP\_FA\_2018\_38352\_69974.jpg



Slide gate in CMP riser on WS slope. Lid missing/damaged.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	7.99	Rating **	M	Issue No.	1150 (cont)	
LM End	7.99	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	23744					
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 2 of 3 : UCIP\_FA\_2018\_38352\_69973.jpg



Headwall at drainage channel on LS toe.

LM Start	<b>7.99</b>	Rating **	M	Issue No.	<b>1150 (cont)</b>
LM End	<b>7.99</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38352\_69972.jpg



Headwall at drainage channel on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	7.99	Rating **	M	Issue No.	1151	
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	23820					
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	<b>7.99</b>	Rating **	M	Issue No.	<b>1151 (cont)</b>
LM End	<b>7.99</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38351\_69968.jpg



Slide gate in 48-inch CMP riser on WS slope. Note the missing lid material.

Photo 2 of 3 : UCIP\_FA\_2018\_38351\_69967.jpg



Headwall on LS toe at drainage channel.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	7.99	Rating **	M	Issue No.	1151 (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	23820					
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\_2018\_38351\_69966.jpg



Headwall on LS toe at drainage channel.

LM Start	8.15	Rating **	A/W	Issue No.	1152	
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	23745					
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\_2018\_38350\_69963.jpg



Headwall and grouted apron on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	8.15	Rating **	A/W	Issue No.	1152 (cont)	
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	23745					
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 2 of 3 : UCIP\_FA\_2018\_38350\_69962.jpg



Headwall, flapgate, and grouted spillway on WS toe.

LM Start	<b>8.15</b>	Rating **	A/W	Issue No.	<b>1152 (cont)</b>
LM End	<b>8.15</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38350\_69961.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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\_2018\_NA0017\_152\_126\_20180926\_00020.jpg



View of concrete debris on the waterside of the levee. Fall 2016.

LM Start	9.30	Rating **	A/W	Issue No.	1154	
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	23722					
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\_2018\_38346\_69954.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	9.30	Rating **	A/W	Issue No.	1154 (cont)	
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	23722					
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 2 of 3 : UCIP\_FA\_2018\_38346\_69953.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	<b>9.30</b>	Rating **	A/W	Issue No.	<b>1154 (cont)</b>
LM End	<b>9.30</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38346\_69952.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	9.53	Rating **	A/W	Issue No.	1157	
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	23726					
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						

LM Start	<b>9.53</b>	Rating **	A/W	Issue No.	<b>1157 (cont)</b>
LM End	<b>9.53</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38241\_69739.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP\_FA\_2018\_38241\_69738.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	9.53	Rating **	A/W	Issue No.	1157 (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	23726					
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 3 of 3 : UCIP\_FA\_2018\_38241\_69737.jpg



Headwall at LS toe.

LM Start	9.78	Rating **	M	Issue No.	1158
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	23727				
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\_2018\_38239\_69728.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	9.78	Rating **	M	Issue No.	1158 (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	23727					
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	<b>9.78</b>	Rating **	M	Issue No.	<b>1158 (cont)</b>
LM End	<b>9.78</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38239\_69727.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP\_FA\_2018\_38239\_69726.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	10.21	Rating **	A/W	Issue No.	1159	
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	23728					
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 1 of 3 : UCIP\_FA\_2018\_38232\_69706.jpg



Headwall on LS toe.

LM Start	<b>10.21</b>	Rating **	A/W	Issue No.	<b>1159 (cont)</b>
LM End	<b>10.21</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38232\_69705.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	10.21	Rating **	A/W	Issue No.	1159 (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	23728					
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\_2018\_38232\_69704.jpg



Headwall and flapgate on WS slope.

LM Start	10.23	Rating **	M	Issue No.	1160
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	23729				
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\_2018\_41808\_69701.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	10.23	Rating **	M	Issue No.	1160 (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	23729					
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	<b>10.23</b>	Rating **	M	Issue No.	<b>1160 (cont)</b>
LM End	<b>10.23</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_41808\_69700.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP\_FA\_2018\_41808\_69703.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	10.43	Rating **	A/W	Issue No.	1161	
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	23748					
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 1 of 3 : UCIP\_FA\_2018\_38229\_69693.jpg



Headwall with two PVC discharge pipes at LS toe.

LM Start	<b>10.43</b>	Rating **	A/W	Issue No.	<b>1161 (cont)</b>
LM End	<b>10.43</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38229\_69692.jpg



Headwall with two PVC discharge pipes at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	10.43	Rating **	A/W	Issue No.	1161 (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	23748					
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\_2018\_38229\_69691.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	10.65	Rating **	M	Issue No.	1162
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	23749				
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\_2018\_41810\_69684.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	10.65	Rating **	M	Issue No.	1162 (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	23749					
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\_2018\_41810\_69683.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	10.65	Rating **	M	Issue No.	1162 (cont)
LM End	10.65	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_41810\_69682.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	10.99	Rating **	A/W	Issue No.	1163	
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	23750					
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 1 of 3 : UCIP\_FA\_2018\_38224\_69667.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	<b>10.99</b>	Rating **	A/W	Issue No.	<b>1163 (cont)</b>
LM End	<b>10.99</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38224\_69666.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	10.99	Rating **	A/W	Issue No.	1163 (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	23750					
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\_2018\_38224\_69665.jpg



Headwall at LS toe.

LM Start	11.03	Rating **	A/W	Issue No.	1164	
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	23751					
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\_2018\_38223\_69662.jpg



Headwall and grouted intake on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	11.03	Rating **	A/W	Issue No.	1164 (cont)	
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	23751					
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 2 of 3 : UCIP\_FA\_2018\_38223\_69661.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	<b>11.03</b>	Rating **	A/W	Issue No.	<b>1164 (cont)</b>
LM End	<b>11.03</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38223\_69660.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	11.20	Rating **	C	Issue No.	149
LM End	11.20	Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.082271 °	38.082271 °
				-121.197989 °	-121.197989 °
DWR ID	DWR_NA0017_08_s_2018_149				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Repair pothole in crown.					

No Photos

LM Start	11.24	Rating **	A/W	Issue No.	1165	
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	23752					
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\_2018\_38221\_69659.jpg



Headwall at LS toe with grouted inlet.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	11.24	Rating **	A/W	Issue No.	1165 (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	23752					
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						

LM Start	<b>11.24</b>	Rating **	A/W	Issue No.	<b>1165 (cont)</b>
LM End	<b>11.24</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38221\_69658.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP\_FA\_2018\_38221\_69657.jpg



Headwall and flapgate on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	11.31	Rating **	A/W	Issue No.	1166
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	23753				
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					

LM Start	11.31	Rating **	A/W	Issue No.	1166 (cont)
LM End	11.31	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_51700\_69653.jpg



Headwall at LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_51700\_69652.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	11.31	Rating **	A/W	Issue No.	1166 (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	23753					
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\_2018\_51700\_69651.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	11.70	Rating **	A/W	Issue No.	1167	
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	23754					
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	<b>11.70</b>	Rating **	A/W	Issue No.	<b>1167 (cont)</b>
LM End	<b>11.70</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_51701\_69648.jpg



Headwall at LS toe. 4-inch PVC backwash from filter plant discharges at headwall.

Photo 2 of 3 : UCIP\_FA\_2018\_51701\_69647.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	11.70	Rating **	A/W	Issue No.	1167 (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	23754					
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\_2018\_51701\_69646.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	11.84	Rating **	M	Issue No.	1169	
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	23756					
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 1 of 3 : UCIP\_FA\_2018\_38216\_69639.jpg



Headwall on LS toe.

LM Start	<b>11.84</b>	Rating **	M	Issue No.	<b>1169 (cont)</b>
LM End	<b>11.84</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38216\_69638.jpg



Slide gate in CMP riser on WS slope missing cover.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	11.84	Rating **	M	Issue No.	1169 (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	23756					
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\_2018\_38216\_69637.jpg



Headwall on LS toe.

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			38.087319 °		38.087319 °
				-121.188596 °		-121.188596 °
DWR ID	23818					
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\_2018\_38214\_69625.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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			38.087319 °		38.087319 °
				-121.188596 °		-121.188596 °
DWR ID	23818					
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 2 of 3 : UCIP\_FA\_2018\_38214\_69624.jpg



Slidegate on WS shoulder.

LM Start	<b>11.84</b>	Rating **	M	Issue No.	<b>1170 (cont)</b>
LM End	<b>11.84</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38214\_69623.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	12.07	Rating **	M	Issue No.	1171	
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	23757					
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 1 of 3 : UCIP\_FA\_2018\_41811\_69621.jpg



Headwall on LS toe.

LM Start	<b>12.07</b>	Rating **	M	Issue No.	<b>1171 (cont)</b>
LM End	<b>12.07</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_41811\_69620.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	12.07	Rating **	M	Issue No.	1171 (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	23757					
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\_2018\_41811\_69619.jpg



Headwall on LS toe.

LM Start	12.41	Rating **	A/W	Issue No.	1173	
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	23761					
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\_2018\_38210\_69610.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	12.41	Rating **	A/W	Issue No.	1173 (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	23761					
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						

LM Start	<b>12.41</b>	Rating **	A/W	Issue No.	<b>1173 (cont)</b>
LM End	<b>12.41</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38210\_69609.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP\_FA\_2018\_38210\_69608.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	12.57	Rating **	A/W	Issue No.	1176	
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	23764					
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						

LM Start	<b>12.57</b>	Rating **	A/W	Issue No.	<b>1176 (cont)</b>
LM End	<b>12.57</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38206\_69602.jpg



Headwall at LS toe next to irrigation structure.

Photo 2 of 3 : UCIP\_FA\_2018\_38206\_69601.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	12.57	Rating **	A/W	Issue No.	1176 (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	23764					
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\_2018\_38206\_69600.jpg



Headwall at LS toe.

LM Start	12.63	Rating **	A/W	Issue No.	1177	
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	23765					
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\_2018\_38205\_69591.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	12.63	Rating **	A/W	Issue No.	1177 (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	23765					
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\_2018\_38205\_69590.jpg



Headwall and Slidegate on LS toe.

LM Start	<b>12.63</b>	Rating **	A/W	Issue No.	<b>1177 (cont)</b>
LM End	<b>12.63</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38205\_69589.jpg



Headwall and Flapgate on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	12.84	Rating **	M	Issue No.	133
LM End	12.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.096581°	38.096581°
				-121.175898°	-121.175898°
DWR ID	DWR_NA0017_08_s_2015_133				
Comment Code					
DE : Debris					
Inspector Comment					
Trash on the waterside berm.					

Photo 1 of 1 : FA\_2018\_NA0017\_152\_133\_20180926\_00022.jpg



View of prunings on the landside toe of the levee.

LM Start	12.89	Rating **	A/W	Issue No.	1179
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	23767				
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\_2018\_38203\_69582.jpg



Concrete headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	12.89	Rating **	A/W	Issue No.	1179 (cont)
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	23767				
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					

LM Start	12.89	Rating **	A/W	Issue No.	1179 (cont)
LM End	12.89	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38203\_69581.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP\_FA\_2018\_38203\_69580.jpg



Concrete headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	12.98	Rating **	M	Issue No.	1180	
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	23768					
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						

LM Start	<b>12.98</b>	Rating **	M	Issue No.	<b>1180 (cont)</b>
LM End	<b>12.98</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38144\_69426.jpg



Slidegate in CMP riser on WS slope.

Photo 2 of 3 : UCIP\_FA\_2018\_38144\_69425.jpg



Headwall on LS toe. Note debris buildup.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	12.98	Rating **	M	Issue No.	1180 (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	23768					
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 3 of 3 : UCIP\_FA\_2018\_38144\_69424.jpg



Headwall on LS toe. Note debris buildup.

LM Start	12.98	Rating **	M	Issue No.	1181	
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	23816					
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\_2018\_38143\_69422.jpg



Slide gate in CMP riser on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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			38.098582 °	38.098582 °	
				-121.175703 °	-121.175703 °	
DWR ID	23816					
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 2 of 3 : UCIP\_FA\_2018\_38143\_69421.jpg



Headwall on LS toe. Note debris buildup.

LM Start	<b>12.98</b>	Rating **	M	Issue No.	<b>1181 (cont)</b>
LM End	<b>12.98</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38143\_69420.jpg



Headwall on LS toe. Note debris buildup.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	13.13	Rating **	A/W	Issue No.	1182
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	23769				
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					

LM Start	<b>13.13</b>	Rating **	A/W	Issue No.	<b>1182 (cont)</b>
LM End	<b>13.13</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38141\_69418.jpg



Headwall on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_38141\_69417.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	13.13	Rating **	A/W	Issue No.	1182 (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	23769					
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 3 of 3 : UCIP\_FA\_2018\_38141\_69416.jpg



Headwall on LS toe.

LM Start	13.23	Rating **	A/W	Issue No.	1184
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	23770				
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\_2018\_38140\_69413.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	13.23	Rating **	A/W	Issue No.	1184 (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	23770					
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						

LM Start	<b>13.23</b>	Rating **	A/W	Issue No.	<b>1184 (cont)</b>
LM End	<b>13.23</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38140\_69412.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP\_FA\_2018\_38140\_69411.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	13.44	Rating **	A/W	Issue No.	1185
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	23771				
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\_2018\_38139\_69408.jpg



Headwall on LS toe.

LM Start	<b>13.44</b>	Rating **	A/W	Issue No.	<b>1185 (cont)</b>
LM End	<b>13.44</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38139\_69407.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	13.44	Rating **	A/W	Issue No.	1185 (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	23771				
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 3 of 3 : UCIP\_FA\_2018\_38139\_69406.jpg



Headwall on LS toe.

LM Start	13.45	Rating **	C	Issue No.	142
LM End	13.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.104992 °	38.104992 °
				-121.176514 °	-121.176514 °
DWR ID	DWR_NA0017_08_s_2018_142				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	13.52	Rating **	C	Issue No.	141
LM End	13.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.105772°	38.105874°
				-121.175671°	-121.175500°
DWR ID	DWR_NA0017_08_s_2018_141				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	13.78	Rating **	A/W	Issue No.	1186
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	23773				
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\_2018\_38137\_69401.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	13.78	Rating **	A/W	Issue No.	1186 (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	23773				
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					

LM Start	<b>13.78</b>	Rating **	A/W	Issue No.	<b>1186 (cont)</b>
LM End	<b>13.78</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38137\_69400.jpg



Headwall on LS toe.

Photo 3 of 3 : UCIP\_FA\_2018\_38137\_69399.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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			38.108594 °	38.108594 °
				-121.172640 °	-121.172640 °
DWR ID	23815				
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\_2018\_38136\_69396.jpg



Headwall and flapgate on WS slope.

LM Start	<b>13.78</b>	Rating **	A/W	Issue No.	<b>1187 (cont)</b>
LM End	<b>13.78</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38136\_69395.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

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			38.108594 °	38.108594 °
				-121.172640 °	-121.172640 °
DWR ID	23815				
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\_2018\_38136\_69394.jpg



Headwall on LS toe.

LM Start	13.97	Rating **	A/W	Issue No.	1188	
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	23775					
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\_2018\_38134\_69389.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	13.97	Rating **	A/W	Issue No.	1188 (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	23775					
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	<b>13.97</b>	Rating **	A/W	Issue No.	<b>1188 (cont)</b>
LM End	<b>13.97</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38134\_69388.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP\_FA\_2018\_38134\_69387.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	14.08	Rating **	M	Issue No.	1189	
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	23776					
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						

LM Start	<b>14.08</b>	Rating **	M	Issue No.	<b>1189 (cont)</b>
LM End	<b>14.08</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38133\_69384.jpg



Headwall on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_38133\_69383.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	14.08	Rating **	M	Issue No.	1189 (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	23776				
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\_2018\_38133\_69382.jpg



Headwall on LS toe.

LM Start	14.10	Rating **	C	Issue No.	140
LM End	14.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.113176 °	38.113176 °
				-121.171963 °	-121.171963 °
DWR ID	DWR_NA0017_08_s_2018_140				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	14.31	Rating **	M	Issue No.	1190	
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	23778					
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	<b>14.31</b>	Rating **	M	Issue No.	<b>1190 (cont)</b>
LM End	<b>14.31</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38130\_69375.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP\_FA\_2018\_38130\_69374.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	14.31	Rating **	M	Issue No.	1190 (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	23778					
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						

Photo 3 of 3 : UCIP\_FA\_2018\_38130\_69373.jpg



Headwall on LS toe.

LM Start	14.32	Rating **	A/W	Issue No.	1192
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	23779				
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\_2018\_38129\_69370.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	14.32	Rating **	A/W	Issue No.	1192 (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	23779					
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						

LM Start	<b>14.32</b>	Rating **	A/W	Issue No.	<b>1192 (cont)</b>
LM End	<b>14.32</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38129\_69369.jpg



Headwall and flapgate on WS toe.

Photo 3 of 3 : UCIP\_FA\_2018\_38129\_69368.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	14.67	Rating **	U	Issue No.	132
LM End	14.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.121026 °	38.121026 °
				-121.169395 °	-121.169395 °
DWR ID	DWR_NA0017_08_f_2018_132				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large rodent hole on the waterside shoulder.					

Photo 1 of 1 : FA\_2018\_NA0017\_152\_132\_20181105\_00325.jpg



View of rodent hole on the waterside shoulder. Fall 2018.

LM Start	14.67	Rating **	M	Issue No.	134
LM End	14.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.121103°	38.121103°
				-121.169363°	-121.169363°
DWR ID	DWR_NA0017_08_f_2018_134				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion on the waterside slope.					

Photo 1 of 1 : FA\_2018\_NA0017\_152\_134\_20181105\_00326.jpg



View of erosion on the waterside slope. Fall 2018.

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

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : 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 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	14.70	Rating **	A/W	Issue No.	1193	
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	23780					
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\_2018\_38127\_69362.jpg



Pipe at LS toe.

LM Start	14.70	Rating **	A/W	Issue No.	1193 (cont)
LM End	14.70	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38127\_69361.jpg



Pipe, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	14.70	Rating **	A/W	Issue No.	1193 (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	23780					
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 3 of 3 : UCIP\_FA\_2018\_38127\_69360.jpg



Pipe, flapgate, and grouted spillway on WS slope.

LM Start	14.75	Rating **	M	Issue No.	57
LM End	14.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.122151°	38.122151°
				-121.169029°	-121.169029°
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\_2018\_NA0017\_152\_57\_20180926\_00008.jpg



Erosion was found on the waterside toe of the levee. The picture was taken from the right bank of the levee.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	14.85	Rating **	A/W	Issue No.	1194
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	23781				
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	<b>14.85</b>	Rating **	A/W	Issue No.	<b>1194 (cont)</b>
LM End	<b>14.85</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38126\_69357.jpg



Headwall at LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_38126\_69356.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	14.85	Rating **	A/W	Issue No.	1194 (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	23781					
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 3 of 3 : UCIP\_FA\_2018\_38126\_69355.jpg



Headwall at LS toe.

LM Start	14.86	Rating **	C	Issue No.	145
LM End	14.86	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.123672 °	38.123672 °
				-121.169174 °	-121.169174 °
DWR ID	DWR_NA0017_08_s_2018_145				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	15.05	Rating **	A/W	Issue No.	1196
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	23782				
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\_2018\_38125\_69352.jpg



Headwall at LS toe.

LM Start	<b>15.05</b>	Rating **	A/W	Issue No.	<b>1196 (cont)</b>
LM End	<b>15.05</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38125\_69351.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	15.05	Rating **	A/W	Issue No.	1196 (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	23782				
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\_2018\_38125\_69350.jpg



Headwall and flapgate at WS toe.

LM Start	15.23	Rating **	C	Issue No.	90
LM End	15.33	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.126582 °	38.127087 °
				-121.163809 °	-121.162033 °
DWR ID	DWR_NA0017_08_s_2014_90				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	<b>15.57</b>	Rating **	M	Issue No.	<b>135</b>
LM End	<b>15.57</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		38.129582°	38.129582°	
			-121.158925°	-121.158925°	
DWR ID	DWR_NA0017_08_f_2018_135				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

LM Start	<b>15.61</b>	Rating **	M	Issue No.	<b>136</b>
LM End	<b>15.61</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.129827°	38.129827°	
			-121.158187°	-121.158187°	
DWR ID	DWR_NA0017_08_f_2018_136				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion from previous storm.					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	15.62	Rating **	A/W	Issue No.	1204
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	23784				
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					

LM Start	<b>15.62</b>	Rating **	A/W	Issue No.	<b>1204 (cont)</b>
LM End	<b>15.62</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38122\_69342.jpg



Headwall on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_38122\_69341.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	15.62	Rating **	A/W	Issue No.	1204 (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	23784					
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\_2018\_38122\_69340.jpg



Inside pipe at LS toe.

LM Start	15.75	Rating **	A/W	Issue No.	1205
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	23785				
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\_2018\_38121\_69337.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	15.75	Rating **	A/W	Issue No.	1205 (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	23785				
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 2 of 3 : UCIP\_FA\_2018\_38121\_69336.jpg



Headwall on LS toe.

LM Start	15.75	Rating **	A/W	Issue No.	1205 (cont)
LM End	15.75	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38121\_69335.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	15.82	Rating **	A/W	Issue No.	1206
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	23786				
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\_2018\_38120\_69333.jpg



Headwall at LS toe.

LM Start	<b>15.82</b>	Rating **	A/W	Issue No.	<b>1206 (cont)</b>
LM End	<b>15.82</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38120\_69332.jpg



Headwall and flapgate at WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	15.82	Rating **	A/W	Issue No.	1206 (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	23786					
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\_2018\_38120\_69331.jpg



Headwall at LS toe.

LM Start	15.88	Rating **	A/W	Issue No.	1207
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	23787				
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\_2018\_38119\_69328.jpg



Concrete headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	15.88	Rating **	A/W	Issue No.	1207 (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	23787					
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						

LM Start	<b>15.88</b>	Rating **	A/W	Issue No.	<b>1207 (cont)</b>
LM End	<b>15.88</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38119\_69327.jpg



Flapgate and headwall on WS toe.

Photo 3 of 3 : UCIP\_FA\_2018\_38119\_69326.jpg



Concrete headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	0.09	Rating **	A/W	Issue No.	18	
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	23850					
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\_2018\_38975\_71120.jpg



Pipe and headwall on LS toe.

LM Start	<b>0.09</b>	Rating **	A/W	Issue No.	<b>18 (cont)</b>
LM End	<b>0.09</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38975\_71119.jpg



Pipe, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	0.09	Rating **	A/W	Issue No.	18 (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	23850					
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 3 of 3 : UCIP\_FA\_2018\_38975\_71123.jpg



Inside pipe at LS toe.

LM Start	0.18	Rating **	C	Issue No.	17
LM End	0.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.094250°	38.094250°
				-121.173580°	-121.173580°
DWR ID	DWR_NA0017_09_s_2018_17				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	0.55	Rating **	A/W	Issue No.	19	
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	23853					
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						

LM Start	<b>0.55</b>	Rating **	A/W	Issue No.	<b>19 (cont)</b>
LM End	<b>0.55</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38973\_71110.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_38973\_71109.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	0.55	Rating **	A/W	Issue No.	19 (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	23853					
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\_2018\_38973\_71108.jpg



Inside pipe at LS toe.

LM Start	0.61	Rating **	A/W	Issue No.	20
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	23839				
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 1 of 3 : UCIP\_FA\_2018\_38972\_71105.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	0.61	Rating **	A/W	Issue No.	20 (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	23839					
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						

LM Start	<b>0.61</b>	Rating **	A/W	Issue No.	<b>20 (cont)</b>
LM End	<b>0.61</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38972\_71104.jpg



Pipe, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP\_FA\_2018\_38972\_71103.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	0.85	Rating **	A/W	Issue No.	21
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	23840				
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\_2018\_38971\_71100.jpg



Pipe and headwall on LS toe.

LM Start	<b>0.85</b>	Rating **	A/W	Issue No.	<b>21 (cont)</b>
LM End	<b>0.85</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38971\_71099.jpg



Pipe, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	0.85	Rating **	A/W	Issue No.	21 (cont)	
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	23840					
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 3 of 3 : UCIP\_FA\_2018\_38971\_71098.jpg



Pipe and headwall on LS toe.

LM Start	0.93	Rating **	M	Issue No.	22
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	23841				
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 1 of 3 : UCIP\_FA\_2018\_41812\_71095.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	0.93	Rating **	M	Issue No.	22 (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	23841				
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\_2018\_41812\_71094.jpg



Pipe and headwall on LS toe.

LM Start	<b>0.93</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>0.93</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_41812\_71093.jpg



Inside pipe at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	1.02	Rating **	A/W	Issue No.	23
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	23842				
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\_2018\_38969\_71090.jpg



Pipe and headwall on LS toe.

LM Start	<b>1.02</b>	Rating **	A/W	Issue No.	<b>23 (cont)</b>
LM End	<b>1.02</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38969\_71089.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	1.02	Rating **	A/W	Issue No.	23 (cont)	
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	23842					
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 3 of 3 : UCIP\_FA\_2018\_38969\_71088.jpg



Inside pipe at LS toe.

LM Start	1.08	Rating **	A/W	Issue No.	24
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	23843				
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 1 of 3 : UCIP\_FA\_2018\_38968\_71085.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	1.08	Rating **	A/W	Issue No.	24 (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	23843					
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						

LM Start	<b>1.08</b>	Rating **	A/W	Issue No.	<b>24 (cont)</b>
LM End	<b>1.08</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38968\_71084.jpg



Pipe, flapgate, and grouted spillway on WS toe.

Photo 3 of 3 : UCIP\_FA\_2018\_38968\_71083.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	1.16	Rating **	A/W	Issue No.	25
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	23844				
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					

LM Start	<b>1.16</b>	Rating **	A/W	Issue No.	<b>25 (cont)</b>
LM End	<b>1.16</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38967\_71079.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_38967\_71078.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	1.16	Rating **	A/W	Issue No.	25 (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	23844					
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\_2018\_38967\_71082.jpg



Inside pipe at LS toe.

LM Start	1.22	Rating **	A/W	Issue No.	26
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	23845				
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\_2018\_38997\_71074.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	1.22	Rating **	A/W	Issue No.	26 (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	23845					
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\_2018\_38997\_71073.jpg



Pipe, flapgate, and grouted spillway on WS toe.

LM Start	1.22	Rating **	A/W	Issue No.	26 (cont)
LM End	1.22	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38997\_71077.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	1.22	Rating **	C	Issue No.	16
LM End	1.41	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.094396 °	38.094049 °
				-121.154817 °	-121.151536 °
DWR ID	DWR_NA0017_09_s_2018_16				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	1.27	Rating **	A	Issue No.	15
LM End	1.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.094168 °	38.094168 °
				-121.153965 °	-121.153965 °
DWR ID	DWR_NA0017_09_f_2018_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
LMA maintains the vegetation at a high level.					

Photo 1 of 1 : FA\_2018\_NA0017\_153\_15\_20181105\_00037.jpg



View of the maintained waterside slope. Fall 2018.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	1.44	Rating **	M	Issue No.	27
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	23847				
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					

Photo 1 of 3 : UCIP\_FA\_2018\_38977\_71064.jpg



Concrete headwall on LS toe.

LM Start	<b>1.44</b>	Rating **	M	Issue No.	<b>27 (cont)</b>
LM End	<b>1.44</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38977\_71063.jpg



Pipe, flapgate, and grouted spillway on WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	1.44	Rating **	M	Issue No.	27 (cont)
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	23847				
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					

Photo 3 of 3 : UCIP\_FA\_2018\_38977\_71067.jpg



Inside pipe at LS toe.

LM Start	1.45	Rating **	A/W	Issue No.	28
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	23848				
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 1 of 3 : UCIP\_FA\_2018\_38963\_71061.jpg



Pipe and flapgate on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	1.45	Rating **	A/W	Issue No.	28 (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	23848					
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						

LM Start	<b>1.45</b>	Rating **	A/W	Issue No.	<b>28 (cont)</b>
LM End	<b>1.45</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38963\_70883.jpg



Pipe visible on LS toe.

Photo 3 of 3 : UCIP\_FA\_2018\_38963\_71060.jpg



Pipe visible on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	0.01	Rating **	M	Issue No.	13
LM End	0.02	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.094151°	38.094141°
				-121.175869°	-121.175706°
DWR ID	DWR_NA0017_10_s_2018_13				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : FA\_2018\_NA0017\_154\_13\_20180926\_00005.jpg



Crown rutting looking east.

LM Start	0.03	Rating **	A/W	Issue No.	15	
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	23859					
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\_2018\_38567\_70661.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	0.03	Rating **	A/W	Issue No.	15 (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	23859					
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 2 of 3 : UCIP\_FA\_2018\_38567\_70660.jpg



Headwall at LS toe.

LM Start	<b>0.03</b>	Rating **	A/W	Issue No.	<b>15 (cont)</b>
LM End	<b>0.03</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38567\_70659.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	0.24	Rating **	A/W	Issue No.	16	
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	23860					
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	<b>0.24</b>	Rating **	A/W	Issue No.	<b>16 (cont)</b>
LM End	<b>0.24</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38568\_70666.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP\_FA\_2018\_38568\_70665.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	0.24	Rating **	A/W	Issue No.	16 (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	23860					
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 3 of 3 : UCIP\_FA\_2018\_38568\_70664.jpg



Headwall and flapgate on WS slope.

LM Start	0.33	Rating **	A	Issue No.	14
LM End	0.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.094986 °	38.094986 °
				-121.170150 °	-121.170150 °
DWR ID	DWR_NA0017_10_f_2018_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The LMA maintains the vegetation at a high level.					

Photo 1 of 1 : FA\_2018\_NA0017\_154\_14\_20181105\_00033.jpg



View of maintained waterside slope. Fall 2018.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	0.36	Rating **	A/W	Issue No.	17	
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	23861					
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	<b>0.36</b>	Rating **	A/W	Issue No.	<b>17 (cont)</b>
LM End	<b>0.36</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38994\_71165.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_38994\_71164.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	0.36	Rating **	A/W	Issue No.	17 (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	23861					
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\_2018\_38994\_71163.jpg



Inside pipe at LS toe.

LM Start	0.45	Rating **	A/W	Issue No.	18	
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	23863					
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 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\_2018\_38992\_71158.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	0.45	Rating **	A/W	Issue No.	18 (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	23863					
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	<b>0.45</b>	Rating **	A/W	Issue No.	<b>18 (cont)</b>
LM End	<b>0.45</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38992\_71157.jpg



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

Photo 3 of 3 : UCIP\_FA\_2018\_38992\_71156.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	0.49	Rating **	C	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					

No Photos

LM Start	0.57	Rating **	A/W	Issue No.	19	
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	23864					
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\_2018\_38990\_71153.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	0.57	Rating **	A/W	Issue No.	19 (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	23864					
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 2 of 3 : UCIP\_FA\_2018\_38990\_71152.jpg



Pipe and headwall on LS toe.

LM Start	<b>0.57</b>	Rating **	A/W	Issue No.	<b>19 (cont)</b>
LM End	<b>0.57</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38990\_71151.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	0.86	Rating **	A/W	Issue No.	20
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	23865				
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					

LM Start	<b>0.86</b>	Rating **	A/W	Issue No.	<b>20 (cont)</b>
LM End	<b>0.86</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38989\_71148.jpg



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

Photo 2 of 3 : UCIP\_FA\_2018\_38989\_71147.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	0.86	Rating **	A/W	Issue No.	20 (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	23865					
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\_2018\_38989\_71146.jpg



Pipe and headwall on LS toe.

LM Start	1.08	Rating **	A/W	Issue No.	21	
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	23866					
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\_2018\_38988\_71144.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	1.08	Rating **	A/W	Issue No.	21 (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	23866					
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\_2018\_38988\_71143.jpg



Pipe and headwall on LS toe.

LM Start	<b>1.08</b>	Rating **	A/W	Issue No.	<b>21 (cont)</b>
LM End	<b>1.08</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38988\_71142.jpg



Inside pipe at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	1.32	Rating **	A/W	Issue No.	22
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	23867				
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					

LM Start	<b>1.32</b>	Rating **	A/W	Issue No.	<b>22 (cont)</b>
LM End	<b>1.32</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38987\_71139.jpg



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

Photo 2 of 3 : UCIP\_FA\_2018\_38987\_71138.jpg



Pipe and headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	1.32	Rating **	A/W	Issue No.	22 (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	23867				
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\_2018\_38987\_71137.jpg



Pipe and headwall on LS toe.

LM Start	1.34	Rating **	A/W	Issue No.	23	
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	23868					
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\_2018\_51721\_71134.jpg



Pipe, flapgate, and grouted spillway on WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/31/2018	Zach Jojola

LM Start	1.34	Rating **	A/W	Issue No.	23 (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	23868					
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 2 of 3 : UCIP\_FA\_2018\_51721\_71133.jpg



Pipe on LS toe.

LM Start	<b>1.34</b>	Rating **	A/W	Issue No.	<b>23 (cont)</b>
LM End	<b>1.34</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_51721\_71132.jpg



Pipe on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23880				
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	<b>0.16</b>	Rating **	A/W	Issue No.	<b>207 (cont)</b>
LM End	<b>0.16</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38566\_70656.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP\_FA\_2018\_38566\_70655.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23880					
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\_2018\_38566\_70654.jpg



Headwall at LS toe.

LM Start	0.42	Rating **	C	Issue No.	38
LM End	0.76	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.100950 °	38.104834 °
				-121.168966 °	-121.166273 °
DWR ID	DWR_NA0017_11_s_2018_38				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

LM Start	0.47	Rating **	M	Issue No.	208
LM End	0.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.101560°	38.101560°
				-121.168634°	-121.168634°
DWR ID	23881				
Comment Code					
Inspector Comment					
FS_ID:38564					
DS_ID:23881					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Slidegate does not function properly up or down.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate in 36-inch corrugated metal riser unit on the waterside (WS). Concrete U-shaped headwall 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 0.47)].					
FS Date: 6/12/2014					

LM Start	<b>0.47</b>	Rating **	M	Issue No.	<b>208 (cont)</b>
LM End	<b>0.47</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38564\_70647.jpg



Headwall at LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_38564\_70646.jpg



Slide gate in 36-inch CMP riser on WS slope. slide gate does not function as handle is detached from mechanism.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

LM Start	0.47	Rating **	M	Issue No.	208 (cont)	
LM End	0.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.101560 °	38.101560 °	
				-121.168634 °	-121.168634 °	
DWR ID	23881					
Comment Code						
Inspector Comment						
FS_ID:38564 DS_ID:23881 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slidegate does not function properly up or down. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate in 36-inch corrugated metal riser unit on the waterside (WS). Concrete U-shaped headwall 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 0.47)]. FS Date: 6/12/2014						

Photo 3 of 3 : UCIP\_FA\_2018\_38564\_70645.jpg



Pipe and grouted spillway on WS slope.

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	23882					
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\_2018\_38565\_70651.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23882					
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\_2018\_38565\_70650.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	<b>0.50</b>	Rating **	A/W	Issue No.	<b>209 (cont)</b>
LM End	<b>0.50</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38565\_70649.jpg



Headwall and flapgate on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

LM Start	0.56	Rating **	M	Issue No.	210
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	23883				
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 1 of 3 : UCIP\_FA\_2018\_38561\_70630.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	<b>0.56</b>	Rating **	M	Issue No.	<b>210 (cont)</b>
LM End	<b>0.56</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38561\_70629.jpg



Headwall at LS toe has been filled in with soil.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23883					
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\_2018\_38561\_70628.jpg



Headwall at LS toe has been filled in with soil.

LM Start	0.79	Rating **	A	Issue No.	41
LM End	0.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.105195 °	38.105195 °
				-121.166252 °	-121.166252 °
DWR ID	DWR_NA0017_11_f_2018_41				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
LMA maintains the vegetation at a high level.					

Photo 1 of 1 : FA\_2018\_NA0017\_155\_41\_20181105\_00098.jpg



View of maintained waterside slope. Fall 2018.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23885				
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					

LM Start	<b>1.06</b>	Rating **	A/W	Issue No.	<b>212 (cont)</b>
LM End	<b>1.06</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38559\_70621.jpg



Headwall and slidegate on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_38559\_70620.jpg



Headwall and slidegate on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23885					
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\_2018\_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	23870					
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\_2018\_38558\_70618.jpg



Headwall and slidegate on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

LM Start	1.14	Rating **	A/W	Issue No.	213 (cont)	
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	23870					
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 2 of 3 : UCIP\_FA\_2018\_38558\_70617.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	<b>1.14</b>	Rating **	A/W	Issue No.	<b>213 (cont)</b>
LM End	<b>1.14</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38558\_70616.jpg



Headwall and slidegate on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23871					
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 1 of 3 : UCIP\_FA\_2018\_38557\_70613.jpg



Headwall at LS toe.

LM Start	<b>1.50</b>	Rating **	M	Issue No.	<b>214 (cont)</b>
LM End	<b>1.50</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38557\_70612.jpg



Slidegate inside CMP riser on WS shoulder. Lid needs repair.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23871					
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\_2018\_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	23897					
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\_2018\_38556\_70608.jpg



Slidegate in CMP riser on WS shoulder. No lid and gateavale does not work.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23897					
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 2 of 3 : UCIP\_FA\_2018\_38556\_70607.jpg



Headwall at LS toe.

LM Start	<b>1.50</b>	Rating **	M	Issue No.	<b>215 (cont)</b>
LM End	<b>1.50</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38556\_70606.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23872				
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\_2018\_38555\_70603.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	<b>1.81</b>	Rating **	A/W	Issue No.	<b>216 (cont)</b>
LM End	<b>1.81</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38555\_70602.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23872					
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\_2018\_38555\_70601.jpg



Headwall at LS toe.

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	23874					
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\_2018\_38552\_70590.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23874					
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						

LM Start	<b>2.04</b>	Rating **	A/W	Issue No.	<b>218 (cont)</b>
LM End	<b>2.04</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38552\_70589.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP\_FA\_2018\_38552\_70588.jpg



Headwall and flapgate on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23875				
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\_2018\_38551\_70586.jpg



Grouted outlet showing pipe and flapgate on WS slope.

LM Start	<b>2.12</b>	Rating **	A/W	Issue No.	<b>219 (cont)</b>
LM End	<b>2.12</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38551\_70585.jpg



Grouted outlet showing pipe and flapgate on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23875					
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 3 of 3 : UCIP\_FA\_2018\_38551\_70584.jpg



Grate over drop-inlet at LS toe next to T-post.

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	23876				
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 1 of 3 : UCIP\_FA\_2018\_38550\_70583.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23876					
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	<b>2.20</b>	Rating **	M	Issue No.	<b>220 (cont)</b>
LM End	<b>2.20</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38550\_70582.jpg



Concrete drop-inlet on North side of East Kettleman road damaged.

Photo 3 of 3 : UCIP\_FA\_2018\_38550\_70581.jpg



Concrete drop-inlet on North side of East Kettleman road damaged.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23878				
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	<b>2.22</b>	Rating **	A/W	Issue No.	<b>223 (cont)</b>
LM End	<b>2.22</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38548\_70576.jpg



Headwall at LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_38548\_70575.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23878					
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 3 of 3 : UCIP\_FA\_2018\_38548\_70574.jpg



Inside pipe at LS toe.

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	23886				
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 1 of 3 : UCIP\_FA\_2018\_38546\_70571.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23886					
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 2 of 3 : UCIP\_FA\_2018\_38546\_70570.jpg



Headwall at LS toe.

LM Start	<b>2.43</b>	Rating **	A/W	Issue No.	<b>224 (cont)</b>
LM End	<b>2.43</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38546\_70569.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23887				
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	<b>2.46</b>	Rating **	A/W	Issue No.	<b>225 (cont)</b>
LM End	<b>2.46</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38545\_70566.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP\_FA\_2018\_38545\_70565.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23887					
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 3 of 3 : UCIP\_FA\_2018\_38545\_70564.jpg



Headwall at LS toe.

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	23888				
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\_2018\_38544\_70561.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23888					
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						

LM Start	<b>2.57</b>	Rating **	A/W	Issue No.	<b>226 (cont)</b>
LM End	<b>2.57</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38544\_70560.jpg



Headwall at LS toe.

Photo 3 of 3 : UCIP\_FA\_2018\_38544\_70559.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23890				
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\_2018\_38542\_70554.jpg



Headwall at LS toe.

LM Start	<b>2.71</b>	Rating **	A/W	Issue No.	<b>228 (cont)</b>
LM End	<b>2.71</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38542\_70553.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23890					
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 3 of 3 : UCIP\_FA\_2018\_38542\_70552.jpg



Headwall and flapgate on WS slope.

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	23891				
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 1 of 3 : UCIP\_FA\_2018\_38541\_70550.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23891					
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 2 of 3 : UCIP\_FA\_2018\_38541\_70549.jpg



Headwall at LS toe.

LM Start	<b>2.86</b>	Rating **	A/W	Issue No.	<b>229 (cont)</b>
LM End	<b>2.86</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38541\_70548.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23892					
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	<b>3.02</b>	Rating **	M	Issue No.	<b>230 (cont)</b>
LM End	<b>3.02</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38539\_70546.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP\_FA\_2018\_38539\_70545.jpg



Headwall and flapgate on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

LM Start	<b>3.02</b>	Rating **	M	Issue No.	<b>230 (cont)</b>					
LM End	<b>3.02</b>	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	23892									
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 3 of 3 : UCIP\_FA\_2018\_38539\_70544.jpg



LS filled in with concrete per notes.

LM Start	<b>3.13</b>	Rating **	A/W	Issue No.	<b>231</b>					
LM End	<b>3.13</b>	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	23893									
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 1 of 3 : UCIP\_FA\_2018\_38538\_70541.jpg



Headwall at 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 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23893					
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 2 of 3 : UCIP\_FA\_2018\_38538\_70540.jpg



Headwall and flapgate on WS slope.

LM Start	<b>3.13</b>	Rating **	A/W	Issue No.	<b>231 (cont)</b>
LM End	<b>3.13</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38538\_70539.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23895				
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					

LM Start	<b>3.45</b>	Rating **	A/W	Issue No.	<b>233 (cont)</b>
LM End	<b>3.45</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38536\_70534.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP\_FA\_2018\_38536\_70533.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23895				
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\_2018\_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	23896				
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\_2018\_38535\_70529.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/31/2018 10/31/2018	Zach Jojola

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	23896					
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	<b>3.53</b>	Rating **	A/W	Issue No.	<b>234 (cont)</b>
LM End	<b>3.53</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38535\_70528.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP\_FA\_2018\_38535\_70527.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23925					
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						

LM Start	<b>0.14</b>	Rating **	M	Issue No.	<b>114 (cont)</b>
LM End	<b>0.14</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_40788\_70672.jpg



Slidegate in CMP riser on WS slope. No lid and gate rusted in place.

Photo 2 of 3 : UCIP\_FA\_2018\_40788\_70671.jpg



Headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23925					
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 3 of 3 : UCIP\_FA\_2018\_40788\_70670.jpg



Headwall and flapgate on WS slope.

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	23930				
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\_2018\_38569\_70669.jpg



Slide gate in CMP riser on WS slope. No lid on riser and gate rusted in place.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23930					
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 2 of 3 : UCIP\_FA\_2018\_38569\_70668.jpg



Headwall at LS toe not accessible

LM Start	<b>0.15</b>	Rating **	M	Issue No.	<b>115 (cont)</b>
LM End	<b>0.15</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38569\_70667.jpg



Headwall and flapgate on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23900				
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					

LM Start	<b>0.40</b>	Rating **	A/W	Issue No.	<b>116 (cont)</b>
LM End	<b>0.40</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38573\_70675.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP\_FA\_2018\_38573\_70674.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23900					
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 3 of 3 : UCIP\_FA\_2018\_38573\_70673.jpg



Headwall at LS toe.

LM Start	0.43	Rating **	M	Issue No.	45
LM End	0.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.101218 °	38.101218 °
				-121.168226 °	-121.168226 °
DWR ID	DWR_NA0017_12_s_2018_45				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Landowner has a pipe crossing the crown to discharge water from landside. The erosion has been slightly filled in, but is not completely fixed.					

Photo 1 of 1 : FA\_2018\_NA0017\_156\_45\_20180926\_00020.jpg



Erosion waterside.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23901				
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					

LM Start	<b>0.48</b>	Rating **	A/W	Issue No.	<b>117 (cont)</b>
LM End	<b>0.48</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38574\_70680.jpg



Headwall at LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_38574\_70679.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23901				
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\_2018\_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	23902				
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\_2018\_38576\_70690.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23902					
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						

LM Start	<b>0.61</b>	Rating **	A/W	Issue No.	<b>118 (cont)</b>
LM End	<b>0.61</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38576\_70689.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP\_FA\_2018\_38576\_70688.jpg



Headwall and flapgate on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23903				
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\_2018\_38577\_70695.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	<b>0.77</b>	Rating **	A/W	Issue No.	<b>119 (cont)</b>
LM End	<b>0.77</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38577\_70694.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23903					
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\_2018\_38577\_70693.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	0.83	Rating **	M	Issue No.	41
LM End	0.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.105965°	38.105965°
				-121.165760°	-121.165760°
DWR ID	DWR_NA0017_12_s_2018_41				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23904				
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	<b>1.52</b>	Rating **	A/W	Issue No.	<b>120 (cont)</b>
LM End	<b>1.52</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38624\_70787.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP\_FA\_2018\_38624\_70786.jpg



Headwall at LS toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23905					
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	<b>1.90</b>	Rating **	M	Issue No.	<b>121 (cont)</b>
LM End	<b>1.90</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38626\_70794.jpg



Headwall at LS toe buried in soil.

Photo 3 of 3 : UCIP\_FA\_2018\_38626\_70793.jpg



Headwall and flapgate on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23906				
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\_2018\_38627\_70797.jpg



Headwall buried on WS shoulder.

LM Start	<b>1.96</b>	Rating **	M	Issue No.	<b>122 (cont)</b>
LM End	<b>1.96</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_FA\_2018\_38627\_70796.jpg



Headwall buried on LS shoulder.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	2.15	Rating **	A/W	Issue No.	124
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	23908				
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 1 of 3 : UCIP\_FA\_2018\_38629\_70805.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	<b>2.15</b>	Rating **	A/W	Issue No.	<b>124 (cont)</b>
LM End	<b>2.15</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38629\_70804.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23908					
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 3 of 3 : UCIP\_FA\_2018\_38629\_70803.jpg



Headwall at LS toe.

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	23909				
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 1 of 3 : UCIP\_FA\_2018\_38630\_70810.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23909					
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	<b>2.16</b>	Rating **	A/W	Issue No.	<b>127 (cont)</b>
LM End	<b>2.16</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38630\_70809.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP\_FA\_2018\_38630\_70808.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23911				
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\_2018\_38632\_70815.jpg



Headwall at LS toe.

LM Start	<b>2.36</b>	Rating **	A/W	Issue No.	<b>128 (cont)</b>
LM End	<b>2.36</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38632\_70814.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23911					
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 3 of 3 : UCIP\_FA\_2018\_38632\_70813.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	2.41	Rating **	M	Issue No.	48
LM End	2.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.119578 °	38.119578 °
				-121.147515 °	-121.147515 °
DWR ID	DWR_NA0017_12_s_2018_48				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23913					
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	<b>2.61</b>	Rating **	M	Issue No.	<b>129 (cont)</b>
LM End	<b>2.61</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_51630\_70822.jpg



Flapgate and grouted spillway on WS slope.

Photo 2 of 3 : UCIP\_FA\_2018\_51630\_70821.jpg



Inlet at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23913					
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\_2018\_51630\_70820.jpg



Inlet at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23915					
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\_2018\_38636\_70832.jpg



Headwall and pipe at LS shoulder.

LM Start	<b>2.72</b>	Rating **	A/W	Issue No.	<b>133 (cont)</b>
LM End	<b>2.72</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38636\_70831.jpg



Headwall and pipe at LS shoulder.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23915					
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\_2018\_38636\_70830.jpg



Inside pipe on LS shoulder.

LM Start	2.89	Rating **	C	Issue No.	47
LM End	3.09	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.125159 °	38.126935 °
				-121.143855 °	-121.141925 °
DWR ID	DWR_NA0017_12_s_2018_47				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	2.92	Rating **	C	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					

No Photos

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	23916				
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\_2018\_38638\_70838.jpg



Flapgate on CMP pipe at WS slope with grouted spillway.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	2.94	Rating **	A/W	Issue No.	134 (cont)
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	23916				
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 2 of 3 : UCIP\_FA\_2018\_38638\_70837.jpg



Pipe at inlet on LS shoulder.

LM Start	<b>2.94</b>	Rating **	A/W	Issue No.	<b>134 (cont)</b>
LM End	<b>2.94</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38638\_70836.jpg



Pipe at inlet on LS shoulder.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	2.97	Rating **	C	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					

No Photos

LM Start	3.09	Rating **	U	Issue No.	135
LM End	3.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.126939 °	38.126939 °
				-121.141925 °	-121.141925 °
DWR ID	23928				
Comment Code					
Inspector Comment					
FS_ID:53519 DS_ID:23928 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/12/2018 NA0017 found corrosion and holes along the bottom of this CMP drainage culvert. Culvert is also open on both ends. Crossing escalated to "Urgent" due to the extensive corrosion that was found. Internal inspection and/or rehabilitation recommended. (A. McDonald - DWR UCIP)Pipe open on both ends. FIELD_STRUCT_DESC: 1 of 2: 24-inch corrugated metal drainage pipe through the levee, 3 feet below the crown. No closure device or flap gate. [Additional Reference(s): USACE San Joaquin O&M Manual 612.2, 1967, (HLM 3.15)]. FS Date: 11/12/2018					

Photo 1 of 3 : UCIP\_FA\_2018\_53519\_70848.jpg



Pipe on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	3.09	Rating **	U	Issue No.	135 (cont)	
LM End	3.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.126939 °		38.126939 °
				-121.141925 °		-121.141925 °
DWR ID	23928					
Comment Code						
Inspector Comment						
FS_ID:53519 DS_ID:23928 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/12/2018 NA0017 found corrosion and holes along the bottom of this CMP drainage culvert. Culvert is also open on both ends. Crossing escalated to "Urgent" due to the extensive corrosion that was found. Internal inspection and/or rehabilitation recommended. (A. McDonald - DWR UCIP)Pipe open on both ends. FIELD_STRUCT_DESC: 1 of 2: 24-inch corrugated metal drainage pipe through the levee, 3 feet below the crown. No closure device or flap gate. [Additional Reference(s): USACE San Joaquin O&M Manual 612.2, 1967, (HLM 3.15)]. FS Date: 11/12/2018						

LM Start	<b>3.09</b>	Rating **	U	Issue No.	<b>135 (cont)</b>
LM End	<b>3.09</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_53519\_70847.jpg



Pipe at grouted spillway on WS slope.

Photo 3 of 3 : UCIP\_FA\_2018\_53519\_70846.jpg



Pipe at grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	3.09	Rating **	U	Issue No.	136	
LM End	3.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.126943 °		38.126943 °
				-121.141916 °		-121.141916 °
DWR ID	23926					
Comment Code						
Inspector Comment						
FS_ID:53520 DS_ID:23926 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/12/2018 NA0017 found corrosion and holes along the bottom of this CMP drainage culvert. Culvert is also open on both ends. Crossing escalated to "Urgent" due to the extensive corrosion that was found. Internal inspection and/or rehabilitation recommended. (A. McDonald - DWR UCIP)Pipe open with no flapgate. FIELD_STRUCT_DESC: 2 of 2: 24-inch corrugated metal drainage pipe through the levee, 3 feet below the crown. No closure device or flap gate. [Additional Reference(s): USACE San Joaquin O&M Manual 612.2, 1967, (HLM 3.15)]. FS Date: 11/12/2018						

Photo 1 of 3 : UCIP\_FA\_2018\_53520\_70853.jpg



Pipe visible on WS slope at grouted spillway.

LM Start	<b>3.09</b>	Rating **	U	Issue No.	<b>136 (cont)</b>
LM End	<b>3.09</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_53520\_70852.jpg



Inside pipe at WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	3.09	Rating **	U	Issue No.	136 (cont)	
LM End	3.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.126943 °		38.126943 °
				-121.141916 °		-121.141916 °
DWR ID	23926					
Comment Code						
Inspector Comment						
FS_ID:53520 DS_ID:23926 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/12/2018 NA0017 found corrosion and holes along the bottom of this CMP drainage culvert. Culvert is also open on both ends. Crossing escalated to "Urgent" due to the extensive corrosion that was found. Internal inspection and/or rehabilitation recommended. (A. McDonald - DWR UCIP)Pipe open with no flapgate. FIELD_STRUCT_DESC: 2 of 2: 24-inch corrugated metal drainage pipe through the levee, 3 feet below the crown. No closure device or flap gate. [Additional Reference(s): USACE San Joaquin O&M Manual 612.2, 1967, (HLM 3.15)]. FS Date: 11/12/2018						

Photo 3 of 3 : UCIP\_FA\_2018\_53520\_70851.jpg



Pipe visible on WS slope at grouted spillway.

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					
Small rills on the waterside slope.					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	3.13	Rating **	M	Issue No.	49
LM End	3.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.127217 °	38.127217 °
				-121.141445 °	-121.141445 °
DWR ID	DWR_NA0017_12_f_2018_49				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff erosion on the waterside slope.					

Photo 1 of 1 : FA\_2018\_NA0017\_156\_49\_20181105\_00097.jpg



View of erosion on the waterside slope. Fall 2018.

LM Start	3.14	Rating **	M	Issue No.	31
LM End	3.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.127390°	38.127487°
				-121.141197°	-121.141013°
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\_2018\_NA0017\_156\_31\_20180926\_00012.jpg

Updated picture of the erosion on the waterside shoulder of the levee.  
Fall 2016

LM Start	<b>3.14</b>	Rating **	M	Issue No.	<b>31 (cont)</b>
LM End	<b>3.16</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2018\_NA0017\_156\_31\_20180926\_00013.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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23917				
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\_2018\_38643\_70857.jpg



Inside pipe at WS slope.

LM Start	<b>3.23</b>	Rating **	A/W	Issue No.	<b>137 (cont)</b>
LM End	<b>3.23</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38643\_70856.jpg



Pipe and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23917					
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\_2018\_38643\_70855.jpg



Ditch for inlet well off LS shoulder.

LM Start	3.35	Rating **	C	Issue No.	46
LM End	3.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.129607°	38.129607°
				-121.139106°	-121.139106°
DWR ID	DWR_NA0017_12_s_2018_46				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion is at an area of high ground.					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	3.37	Rating **	U	Issue No.	50
LM End	3.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.129933 °	38.129933 °
				-121.139209 °	-121.139209 °
DWR ID	DWR_NA0017_12_f_2018_50				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA\_2018\_NA0017\_156\_50\_20181105\_00098.jpg



View of erosion on the waterside slope. Fall 2018.

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\_2018\_NA0017\_156\_44\_20180926\_00019.jpg



View of the erosion on the waterside shoulder of the levee. Fall 2017

LM Start	3.46	Rating **	C	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					

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23920				
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\_2018\_38646\_70866.jpg



Pipe on WS slope.

LM Start	<b>3.51</b>	Rating **	A/W	Issue No.	<b>139 (cont)</b>
LM End	<b>3.51</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38646\_70865.jpg



Pipe on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23920					
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\_2018\_38646\_70864.jpg



Inside pipe at WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	0.03	Rating **	A/W	Issue No.	15
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	23931				
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\_2018\_38578\_70699.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	<b>0.03</b>	Rating **	A/W	Issue No.	<b>15 (cont)</b>
LM End	<b>0.03</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38578\_70698.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	0.03	Rating **	A/W	Issue No.	15 (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	23931					
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\_2018\_38578\_70697.jpg



Headwall at LS toe.

LM Start	0.11	Rating **	C	Issue No.	13	
LM End	0.11	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.109422 °		38.109422 °
				-121.158536 °		-121.158536 °
DWR ID	DWR_NA0017_13_s_2018_13					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	0.25	Rating **	C	Issue No.	12
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.109501 °	38.109534 °
				-121.155962 °	-121.154965 °
DWR ID	DWR_NA0017_13_s_2018_12				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.55	Rating **	A/W	Issue No.	16
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	23933				
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\_2018\_38581\_70709.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	0.55	Rating **	A/W	Issue No.	16 (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	23933					
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						

LM Start	<b>0.55</b>	Rating **	A/W	Issue No.	<b>16 (cont)</b>
LM End	<b>0.55</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38581\_70708.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP\_FA\_2018\_38581\_70707.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	0.57	Rating **	A/W	Issue No.	19
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	23934				
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					

LM Start	<b>0.57</b>	Rating **	A/W	Issue No.	<b>19 (cont)</b>
LM End	<b>0.57</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38582\_70714.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP\_FA\_2018\_38582\_70713.jpg



Headwall and flapgate on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	0.57	Rating **	A/W	Issue No.	19 (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	23934					
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 3 of 3 : UCIP\_FA\_2018\_38582\_70712.jpg



Headwall at LS toe.

LM Start	0.86	Rating **	A/W	Issue No.	20
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	23935				
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\_2018\_38583\_70719.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	0.86	Rating **	A/W	Issue No.	20 (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	23935					
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						

LM Start	<b>0.86</b>	Rating **	A/W	Issue No.	<b>20 (cont)</b>
LM End	<b>0.86</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38583\_70718.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP\_FA\_2018\_38583\_70717.jpg



Headwall and flapgate on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	1.04	Rating **	A/W	Issue No.	21
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	23936				
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					

LM Start	<b>1.04</b>	Rating **	A/W	Issue No.	<b>21 (cont)</b>
LM End	<b>1.04</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38585\_70729.jpg



Headwall at LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_38585\_70728.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	1.04	Rating **	A/W	Issue No.	21 (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	23936					
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 3 of 3 : UCIP\_FA\_2018\_38585\_70727.jpg



Headwall at LS toe.

LM Start	1.12	Rating **	A/W	Issue No.	22	
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	23937					
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 1 of 3 : UCIP\_FA\_2018\_38586\_70734.jpg



Headwall at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	1.12	Rating **	A/W	Issue No.	22 (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	23937				
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 2 of 3 : UCIP\_FA\_2018\_38586\_70733.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	1.12	Rating **	A/W	Issue No.	22 (cont)
LM End	1.12	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_38586\_70732.jpg



Headwall and flapgate on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	1.22	Rating **	A	Issue No.	14
LM End	1.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.111367°	38.111367°
				-121.141163°	-121.141163°
DWR ID	DWR_NA0017_13_f_2018_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
LMA maintains vegetation at a high level.					

Photo 1 of 1 : FA\_2018\_NA0017\_157\_14\_20181105\_00027.jpg



View of maintained waterside slope. Fall 2018.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23939					
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\_2018\_38623\_70782.jpg



Pipe at inlet on LS shoulder.

LM Start	<b>0.02</b>	Rating **	A/W	Issue No.	<b>22 (cont)</b>
LM End	<b>0.02</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38623\_70781.jpg



Pipe at inlet on LS shoulder.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23939					
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\_2018\_38623\_70780.jpg



Inside pipe at LS toe.

LM Start	0.05	Rating **	A	Issue No.	18
LM End	0.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.109651 °	38.109651 °
				-121.159315 °	-121.159315 °
DWR ID	DWR_NA0017_14_f_2018_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The LMA maintains the vegetation to a high level.					

Photo 1 of 1 : FA\_2018\_NA0017\_158\_18\_20181105\_00048.jpg



View of the maintained waterside slope. Fall 2018.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23940					
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\_2018\_38615\_70778.jpg



Pipe, flapgate, and grouted spillway on WS slope.

LM Start	<b>0.25</b>	Rating **	M	Issue No.	<b>23 (cont)</b>
LM End	<b>0.25</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38615\_70777.jpg



Pipe at inlet on LS shoulder.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23940					
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\_2018\_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	23941				
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\_2018\_38614\_70774.jpg



Pipe just visible on LS shoulder.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23941					
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						

LM Start	<b>0.37</b>	Rating **	M	Issue No.	<b>24 (cont)</b>
LM End	<b>0.37</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38614\_70773.jpg



Pipe just visible on LS shoulder.

Photo 3 of 3 : UCIP\_FA\_2018\_38614\_70772.jpg



Pipe buried on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23942				
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\_2018\_38613\_70771.jpg



Flapgate, pipe, and grouted spillway on WS slope.

LM Start	<b>0.46</b>	Rating **	A/W	Issue No.	<b>25 (cont)</b>
LM End	<b>0.46</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_38613\_70770.jpg



Inlet on LS shoulder.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23942					
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 3 of 3 : UCIP\_FA\_2018\_38613\_70769.jpg



Inside pipe at LS shoulder.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	0.55	Rating **	M	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	23943					
Comment Code						
Inspector Comment						
FS_ID:53502 DS_ID:23943 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/18/2018 Pipe is close to the crown. It may not create a serious situation. Maintenance required by owner at pipe inlet. Crossing downgraded to "Non-Urgent." (A. McDonald - DWR UCIP)11/04/2016 Same as previous inspection. Crossing remains Urgent crossing, open on both ends. (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 open on both ends. Inlet is located at the end of a drainage ditch along the road. Cobble grouted spillway on the waterside (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: 9/18/2018						

LM Start	<b>0.55</b>	Rating **	M	Issue No.	<b>26 (cont)</b>
LM End	<b>0.55</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_53502\_70768.jpg



Pipe on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_53502\_70767.jpg



Pipe on WS shoulder.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	<b>0.55</b>	Rating **	M	Issue No.	<b>26 (cont)</b>
LM End	<b>0.55</b>	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	23943				
Comment Code					
Inspector Comment					
<p>FS_ID:53502  DS_ID:23943  EP_NO: N/A  Repair Type: Non-Urgent  Crossing Status: Found  UCIP Comments: 09/18/2018 Pipe is close to the crown. It may not create a serious situation. Maintenance required by owner at pipe inlet. Crossing downgraded to "Non-Urgent." (A. McDonald - DWR UCIP)11/04/2016 Same as previous inspection. Crossing remains Urgent crossing, open on both ends. (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 open on both ends. Inlet is located at the end of a drainage ditch along the road. Cobble grouted spillway on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1977, 1978, 1987, 1990. USACE San Joaquin O&amp;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: 9/18/2018</p>					

Photo 3 of 3 : UCIP\_FA\_2018\_53502\_76739.jpg



Overview of levee crown at pipe crossing.

LM Start	<b>0.56</b>	Rating **	C	Issue No.	<b>17</b>
LM End	<b>1.37</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.111504 °	38.111114 °
				-121.150754 °	-121.138829 °
DWR ID	DWR_NA0017_14_s_2018_17				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

* 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 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23944				
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	<b>0.56</b>	Rating **	A/W	Issue No.	<b>29 (cont)</b>
LM End	<b>0.56</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_38610\_70764.jpg



Pipe and grouted spillway on WS

Photo 2 of 3 : UCIP\_FA\_2018\_38610\_70763.jpg



Inside pipe at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	0.56	Rating **	A/W	Issue No.	29 (cont)	
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	23944					
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						

Photo 3 of 3 : UCIP\_FA\_2018\_38610\_70762.jpg



Pipe at LS toe.

LM Start	0.64	Rating **	C	Issue No.	1
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					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23945					
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	<b>0.75</b>	Rating **	M	Issue No.	<b>30 (cont)</b>
LM End	<b>0.75</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_41365\_70758.jpg



Pipe on WS slope.

Photo 2 of 3 : UCIP\_FA\_2018\_41365\_70757.jpg



Pipe on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23945					
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 3 of 3 : UCIP\_FA\_2018\_41365\_70756.jpg



Pipe on LS shoulder.

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	23946				
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 1 of 3 : UCIP\_FA\_2018\_41791\_70755.jpg



Pipe and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23946					
Comment Code						
Inspector Comment						
FS_ID:41791 DS_ID:23946 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe burried 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 2 of 3 : UCIP\_FA\_2018\_41791\_70754.jpg



Pipe and grouted spillway on WS slope.

LM Start	<b>0.94</b>	Rating **	M	Issue No.	<b>31 (cont)</b>
LM End	<b>0.94</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_41791\_70753.jpg



Inside pipe at WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	0.96	Rating **	C	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					

No Photos

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	23947				
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\_2018\_41792\_70752.jpg



Pipe and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	0.96	Rating **	M	Issue No.	32 (cont)
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	23947				
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 2 of 2 : UCIP\_FA\_2018\_41792\_70751.jpg



Pipe and grouted spillway on WS slope.

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	23949					
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						

Photo 1 of 3 : UCIP\_FA\_2018\_41793\_70746.jpg



LS of levee at pipe. Pipe largely filled in with soil.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	1.11	Rating **	M	Issue No.	34 (cont)
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	23949				
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 2 of 3 : UCIP\_FA\_2018\_41793\_70745.jpg



LS of levee at pipe. Pipe largely filled in with soil.

Photo 3 of 3 : UCIP\_FA\_2018\_41793\_70744.jpg



Pipe, flapgate, and grouted spillway on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

LM Start	1.16	Rating **	M	Issue No.	35	
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	23950					
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	<b>1.16</b>	Rating **	M	Issue No.	<b>35 (cont)</b>
LM End	<b>1.16</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_41794\_70742.jpg



Pipe on WS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_41794\_70741.jpg



Inside pipe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/30/2018 10/30/2018	Zach Jojola

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	23950					
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						

Photo 3 of 3 : UCIP\_FA\_2018\_41794\_70740.jpg



Pipe at LS intake.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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\_2018\_NA0017\_159\_1155\_20181001\_00155.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\_2018\_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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	<b>0.26</b>	Rating **	A/W	Issue No.	<b>155 (cont)</b>
LM End	<b>1.06</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : LEVAL\_FA\_2018\_83\_1012.jpg



Photo 3 of 3 : LEVAL\_FA\_2018\_83\_1021.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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	<b>0.38</b>	Rating **	A/W	Issue No.	<b>7 (cont)</b>
LM End	<b>1.29</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : FA\_2018\_NA0017\_159\_7\_20181001\_00014.jpg



Looking at the site from the levee top.

Photo 2 of 4 : FA\_2018\_NA0017\_159\_7\_20181001\_00015.jpg



Close view of the erosion. Note dense vegetation and trees on site.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	<b>0.38</b>	Rating **	A/W	Issue No.	<b>7 (cont)</b>
LM End	<b>1.29</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : FA\_2018\_NA0017\_159\_7\_20181001\_00016.jpg



Close view of the erosion.

Photo 4 of 4 : FA\_2018\_NA0017\_159\_7\_20181001\_00017.jpg



Looking upstream at the site.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	<b>0.79</b>	Rating **	A/W	Issue No.	<b>156 (cont)</b>
LM End		Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.045930 °	38.045341 °
				-121.023021 °	-121.034014 °
DWR ID	DWR_NA0017_15_f_2017_156				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Erosion along the right bank of the waterside slope. Erosion extends approximately 354'. Site ID No: 477 Site Designation: LMA-304 Repair Type: Erosion Rating: Critical Field Date: 7/27/2017 Notes: The erosion is pretty severe, but rated it serious because left bank is quite a bit lower and actual levee is pretty small. RD rep said water did not get up to monitor stage last year. Under FSRP Repair?					

Photo 3 of 3 : LEVAL\_FA\_2018\_477\_2251.jpg



LM Start	<b>1.16</b>	Rating **	M	Issue No.	<b>1158</b>
LM End	<b>1.16</b>	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	23199				
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 1 of 2 : UCIP\_FA\_2018\_34877\_62779.jpg



WS view: CM outfall pipe on channel bank.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23199				
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\_2018\_34877\_62778.jpg



LS view: CM inlet pipe. Pipe opening obstructed with debris.

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\_2018\_NA0017\_159\_1128\_20181001\_00154.jpg



View of a tree stump on the landside shoulder of the levee.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23200					
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	<b>1.46</b>	Rating **	M	Issue No.	<b>1159 (cont)</b>
LM End	<b>1.46</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_40369\_62785.jpg



WS view: outlet CM pipe on levee slope.

Photo 2 of 3 : UCIP\_FA\_2018\_40369\_62784.jpg



WS view: inside view of the outlet pipe. Needs cleaning and clearing.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23200					
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 3 of 3 : UCIP\_FA\_2018\_40369\_62783.jpg



LS view: buried inlet pipe. Needs cleaning and clearing.

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 : FA\_2018\_NA0017\_159\_6\_20181001\_00010.jpg



Front view of the erosion site from the left river bank.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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]						

LM Start	<b>1.78</b>	Rating **	U	Issue No.	<b>6 (cont)</b>
LM End	<b>1.79</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : FA\_2018\_NA0017\_159\_6\_20181001\_00011.jpg



Front view of the pocket erosion covered by dense vegetation.

Photo 3 of 4 : FA\_2018\_NA0017\_159\_6\_20181001\_00012.jpg



Close view of the pocket erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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 : FA\_2018\_NA0017\_159\_6\_20181001\_00013.jpg



Close view of the erosion.

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\_2018\_NA0017\_159\_18\_20181001\_00022.jpg



Updated picture of the slope instability at the waterside slope of the levee looking upstream.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	2.05	Rating **	M	Issue No.	18 (cont)	
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 2 of 2 : FA\_2018\_NA0017\_159\_18\_20181001\_00023.jpg



Slope instability was found on the waterside toe of the levee looking downstream.

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\_2018\_NA0017\_159\_159\_20181001\_00096.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 M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	2.45	Rating **	M	Issue No.	151
LM End	2.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.032099 °	38.032099 °
				-121.046235 °	-121.046235 °
DWR ID	DWR_NA0017_15_s_2018_151				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.48	Rating **	C	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	2.63	Rating **	M	Issue No.	10
LM End	2.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.030118 °	38.029825 °
				-121.048360 °	-121.048708 °
DWR ID	DWR_NA0017_15_f_2018_10				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
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



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	3.78	Rating **	M	Issue No.	43
LM End	3.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.019119°	38.019119°
				-121.064034°	-121.064034°
DWR ID	DWR_NA0017_15_f_2012_43				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : FA\_2018\_NA0017\_159\_43\_20181001\_00035.jpg



Updated picture of the slope instability on the waterside slope of the levee looking downstream.

LM Start	<b>3.78</b>	Rating **	M	Issue No.	<b>43 (cont)</b>
LM End	<b>3.78</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2018\_NA0017\_159\_43\_20181001\_00036.jpg



Slope instability was found on the landside slope of the levee looking downstream.

LM Start	3.79	Rating **	M	Issue No.	179
LM End	3.79	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.019002°	38.019002°
				-121.064182°	-121.064182°
DWR ID	DWR_NA0017_15_s_2017_179				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : FA\_2018\_NA0017\_159\_179\_20181001\_00109.jpg



View of a crown depression on the levee.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	3.90	Rating **	M	Issue No.	44
LM End	3.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.017871°	38.017871°
				-121.065357°	-121.065357°
DWR ID	DWR_NA0017_15_f_2012_44				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : FA\_2018\_NA0017\_159\_44\_20181001\_00037.jpg



Updated picture of the slope instability on the waterside shoulder of the levee. Fall 2016

LM Start	<b>3.90</b>	Rating **	M	Issue No.	<b>44 (cont)</b>
LM End	<b>3.90</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2018\_NA0017\_159\_44\_20181001\_00038.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                      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 2018**

**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	10/22/2018 10/22/2018	David Julian

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			38.013122°	38.013122°
				-121.068467°	-121.068467°
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\_2018\_NA0017\_159\_124\_20181001\_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\_2018\_NA0017\_159\_133\_20181001\_00075.jpg



Updated view of the erosion on the waterside shoulder during spring 2016 inspection.

LM Start	<b>4.51</b>	Rating **	M	Issue No.	<b>133 (cont)</b>
LM End	<b>4.51</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2018\_NA0017\_159\_133\_20181001\_00076.jpg



Erosion was found on the waterside shoulder of the levee looking downstream.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	4.60	Rating **	M	Issue No.	23
LM End	4.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.008507 °	38.008507 °
				-121.069993 °	-121.069993 °
DWR ID	DWR_NA0017_15_f_2018_23				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.63	Rating **	A/W	Issue No.	96
LM End	4.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.008053 °	38.008053 °
				-121.070141 °	-121.070141 °
DWR ID	DWR_NA0017_15_s_2012_96				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
LMA has fixed the issue but the riprap has rebar which can be dangerous during a flood fighting effort.					

Photo 1 of 3 : FA\_2018\_NA0017\_159\_96\_20181001\_00063.jpg



Updated picture of the slope instability on the waterside slope of the levee looking downstream during spring 2013 inspection.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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\_2018\_NA0017\_159\_161\_20181001\_00098.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	23308				
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\_2018\_34924\_62867.jpg



WS view: no pipe and structure found on waterside. Dense vegetation on channel bank.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	5.46	Rating **	A/W	Issue No.	1165 (cont)
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	23308				
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 2 of 2 : UCIP\_FA\_2018\_34924\_62866.jpg



LS view: inside view of CMP inlet chamber.

LM Start	5.52	Rating **	A/W	Issue No.	202
LM End	5.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.997257 °	37.997257 °
				-121.078775 °	-121.078775 °
DWR ID	DWR_NA0017_15_s_2016_202				
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 A/W.					

Photo 1 of 1 : FA\_2018\_NA0017\_159\_202\_20181001\_00123.jpg



View of an erosion on the waterside shoulder of the levee.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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\_2018\_NA0017\_159\_140\_20181001\_00078.jpg



Updated picture of the rodent holes on the landside of the levee. Fall 2016

LM Start	<b>6.67</b>	Rating **	A/W	Issue No.	<b>140 (cont)</b>
LM End	<b>6.67</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2018\_NA0017\_159\_140\_20181001\_00079.jpg



Rodent holes were found on the landside shoulder of the levee looking downstream.

LM Start	6.96	Rating **	A/W	Issue No.	115
LM End	7.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.981387 °	37.978463 °
				-121.095370 °	-121.102252 °
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\_2018\_NA0017\_159\_115\_20181001\_00071.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                      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 2018**

**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	10/22/2018 10/22/2018	David Julian

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.					

LM Start	<b>7.67</b>	Rating **	A/W	Issue No.	<b>162 (cont)</b>
LM End	<b>7.67</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : FA\_2018\_NA0017\_159\_162\_20181001\_00099.jpg



Erosion waterside looking east.

Photo 2 of 2 : FA\_2018\_NA0017\_159\_162\_20181001\_00100.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\_2018\_NA0017\_159\_84\_20181001\_00061.jpg



View of a rodent hole on the waterside of the levee looking downstream. Fall 2016

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	8.43	Rating **	M	Issue No.	5 (cont)	
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]						

Photo 3 of 3 : FA\_2018\_NA0017\_159\_5\_20181001\_00009.jpg



Close view of the erosion site.

LM Start	8.43	Rating **	A/W	Issue No.	65
LM End	8.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.969699 °	37.969699 °
				-121.116796 °	-121.116796 °
DWR ID	DWR_NA0017_15_f_2018_65				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair erosion site before it impacts patrol road.					

Photo 1 of 2 : FA\_2018\_NA0017\_159\_65\_20181001\_00050.jpg



Updated picture of the slope instability on the waterside of the levee looking upstream during fall 2015 inspection.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	8.43	Rating **	A/W	Issue No.	65 (cont)	
LM End	8.43	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.969699 °	37.969699 °	
				-121.116796 °	-121.116796 °	
DWR ID	DWR_NA0017_15_f_2018_65					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Repair erosion site before it impacts patrol road.						

Photo 2 of 2 : FA\_2018\_NA0017\_159\_65\_20181001\_00051.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	23227					
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\_2018\_40386\_63765.jpg



WS view: no pipe or appurtenances found on waterside. Dense vegetation.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23227					
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 2 of 3 : UCIP\_FA\_2018\_40386\_63764.jpg



LS view: distorted CM outlet pipe on levee slope.

LM Start	<b>8.46</b>	Rating **	M	Issue No.	<b>1175 (cont)</b>
LM End	<b>8.46</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_40386\_63763.jpg



LS view: closer view of distorted CM outlet pipe on levee slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23229					
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	<b>8.69</b>	Rating **	M	Issue No.	<b>1176 (cont)</b>
LM End	<b>8.69</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_FA\_2018\_40387\_62949.jpg



WS view: no pipe or appurtenances found. Steep levee slope.

Photo 2 of 2 : UCIP\_FA\_2018\_40387\_62948.jpg



LS view: distorted CM inlet pipe. Partially buried.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	<b>8.81</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>8.83</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : FA\_2018\_NA0017\_159\_4\_20181001\_00003.jpg



View of the site from left river bank.

Photo 2 of 4 : FA\_2018\_NA0017\_159\_4\_20181001\_00004.jpg



Close view of the erosion.

LM Start	<b>8.81</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>8.83</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : FA\_2018\_NA0017\_159\_4\_20181001\_00005.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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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 : FA\_2018\_NA0017\_159\_4\_20181001\_00006.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	23233					
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\_2018\_34983\_62966.jpg



WS view: CM outlet pipe on levee slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23233					
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						

LM Start	9.55	Rating **	M	Issue No.	1178 (cont)
LM End	9.55	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_34983\_62965.jpg



WS view: CM outlet pipe on levee slope.

Photo 3 of 3 : UCIP\_FA\_2018\_34983\_62964.jpg



WS view: closer view of CM outlet pipe on levee slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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\_2018\_NA0017\_159\_183\_20181001\_00110.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	23235					
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\_2018\_34986\_62986.jpg



WS view: no pipe or appurtenances found.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23235					
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						

LM Start	<b>9.80</b>	Rating **	M	Issue No.	<b>1181 (cont)</b>
LM End	<b>9.80</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_34986\_62985.jpg



LS view: partially buried inlet pipe.

Photo 3 of 3 : UCIP\_FA\_2018\_34986\_62984.jpg



LS view: closer view of partially buried inlet pipe. Needs cleaning and clearing.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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\_2018\_NA0017\_159\_68\_20181001\_00054.jpg



Slope instability was found on the waterside slope of the levee looking downstream.

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	23236				
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\_2018\_34987\_62992.jpg



WS view: no pipe or appurtenances found.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23236				

**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

LM Start	<b>10.01</b>	Rating **	M	Issue No.	<b>1182 (cont)</b>
LM End	<b>10.01</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_34987\_62990.jpg



LS view: partially buried inlet pipe on levee toe.

Photo 3 of 3 : UCIP\_FA\_2018\_34987\_62991.jpg



LS view: inside view of partially buried inlet pipe. Needs cleaning.

**\* 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 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23237					
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						

LM Start	<b>10.26</b>	Rating **	A/W	Issue No.	<b>1183 (cont)</b>
LM End	<b>10.26</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_FA\_2018\_35003\_63003.jpg



WS view: CM outfall pipe with flapgate on levee slope.

Photo 2 of 2 : UCIP\_FA\_2018\_35003\_63002.jpg



LS view: concrete headwall and inlet pipe. Needs cleaning of debris.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23238					
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						

LM Start	10.27	Rating **	M	Issue No.	1185 (cont)
LM End	10.27	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_FA\_2018\_35005\_63011.jpg



WS view: CM outfall pipe with flapgate on levee slope.

Photo 2 of 2 : UCIP\_FA\_2018\_35005\_63010.jpg



LS view: vegetation debris in inlet area. Needs cleaning and clearing.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	10.75	Rating **	U	Issue No.	143
LM End	10.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.963449 °	37.963449 °
				-121.157018 °	-121.157018 °
DWR ID	DWR_NA0017_15_s_2018_143				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
This is non-project levee patrol road. Erosion could potentially impact patrol road.					

Photo 1 of 1 : FA\_2018\_NA0017\_159\_143\_20181001\_00080.jpg



Erosion bank caving waterside taken from opposite bank looking north.

LM Start	10.94	Rating **	A/W	Issue No.	32
LM End	10.94	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.961887 °	37.961887 °
				-121.160040 °	-121.160040 °
DWR ID	DWR_NA0017_15_f_2018_32				
Comment Code					
Inspector Comment					
Project levee from this point until end of Unit.					

No Photos

LM Start	11.06	Rating **	A/W	Issue No.	195
LM End	11.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.961522 °	37.961522 °
				-121.162002 °	-121.162002 °
DWR ID	DWR_NA0017_15_s_2018_195				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23243				
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\_2018\_35010\_63035.jpg



WS view: outlet pipe on grouted riprap on levee slope.

LM Start	11.41	Rating **	M	Issue No.	1187 (cont)
LM End	11.41	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_FA\_2018\_35010\_63034.jpg



LS view: headwall and inlet pipe on levee toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23244					
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						

LM Start	<b>11.55</b>	Rating **	A/W	Issue No.	<b>1188 (cont)</b>
LM End	<b>11.55</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_FA\_2018\_48304\_63039.jpg



WS view: outlet CM pipe with flapgate. Flood wall acts as headwall.

Photo 2 of 2 : UCIP\_FA\_2018\_48304\_63038.jpg



LS view: inlet pipe and headwall on levee toe. May need cleaning of inlet opening.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23247					
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	<b>12.39</b>	Rating **	A/W	Issue No.	<b>1189 (cont)</b>
LM End	<b>12.39</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_35014\_63053.jpg



WS view: slide gates in CMP risers on levee slope.

Photo 2 of 3 : UCIP\_FA\_2018\_35014\_63052.jpg



WS view: flap gates and headwall on levee slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23247				
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\_2018\_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	23454				
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\_2018\_35015\_63059.jpg



WS view: slide gates in CMP risers on levee slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23454					
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 2 of 3 : UCIP\_FA\_2018\_35015\_63058.jpg



WS view: headwall and flap gates on CMP ends on levee slope.

LM Start	<b>12.39</b>	Rating **	A/W	Issue No.	<b>1190 (cont)</b>
LM End	<b>12.39</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_35015\_63057.jpg



LS view: headwall and inlet pipes on levee slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23249				
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	<b>12.56</b>	Rating **	A/W	Issue No.	<b>1192 (cont)</b>
LM End	<b>12.56</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_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\_2018\_35043\_63084.jpg



LS view: U type concrete headwall and CM inlet Pipe on levee slope.  
Soil/mud on inlet box.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23249				
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\_2018\_35043\_63083.jpg



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

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	23252				
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 1 of 3 : UCIP\_FA\_2018\_35047\_63100.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23252				

**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 2 of 3 : UCIP\_FA\_2018\_35047\_63099.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\_2018\_35047\_63101.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23254				
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 1 of 3 : UCIP\_FA\_2018\_35049\_63113.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

Photo 2 of 3 : UCIP\_FA\_2018\_35049\_63112.jpg



LS view: U type concrete headwall and CM inlet Pipe on levee slope.  
Soil/mud on inlet box.

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

WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23257					
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	<b>13.50</b>	Rating **	A/W	Issue No.	<b>1198 (cont)</b>
LM End	<b>13.50</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_35064\_63130.jpg



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

Photo 3 of 3 : UCIP\_FA\_2018\_35064\_63129.jpg



LS view: U type concrete headwall and CM inlet Pipe on levee slope. Soil/mud on inlet box.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23188				
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 1 of 3 : UCIP\_FA\_2018\_35104\_63192.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

Photo 2 of 3 : UCIP\_FA\_2018\_35104\_63191.jpg



LS view: U type concrete headwall on levee slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23188					
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 3 of 3 : UCIP\_FA\_2018\_35104\_63193.jpg



LS view: inside view of CM inlet pipe on levee slope. Debris on inlet pipe. Needs cleaning.

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\_2018\_NA0017\_159\_154\_20181001\_00088.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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	23189				
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					

LM Start	15.40	Rating **	A/W	Issue No.	1202 (cont)
LM End	15.40	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_FA\_2018\_35105\_63197.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

Photo 2 of 2 : UCIP\_FA\_2018\_35105\_63196.jpg



LS view: U type concrete headwall and CM pipe on levee slope. Debris in inlet pipe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	15.41	Rating **	A/W	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					

Photo 1 of 2 : FA\_2018\_NA0017\_159\_194\_20181001\_00117.jpg



Updated picture of the rodent holes on the landside shoulder of the levee. Fall 2017

LM Start	15.41	Rating **	A/W	Issue No.	194 (cont)
LM End	15.41	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2018\_NA0017\_159\_194\_20181001\_00118.jpg



Rodent holes were found on the landside of the levee looking downstream.

LM Start	15.55	Rating **	C	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.					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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_s_2018_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\_2018\_NA0017\_159\_166\_20181001\_00102.jpg



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

LM Start	16.00	Rating **	M	Issue No.	197
LM End	16.00	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.980052 °	37.980052 °
				-121.244213 °	-121.244213 °
DWR ID	DWR_NA0017_15_f_2018_197				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : FA\_2018\_NA0017\_159\_197\_20181024\_00162.jpg



View of rut on the access road (October 2018).

LM Start	16.02	Rating **	C	Issue No.	205
LM End	16.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.980099 °	37.980795 °
				-121.244605 °	-121.246211 °
DWR ID	DWR_NA0017_15_s_2018_205				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	16.11	Rating **	C	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	16.94	Rating **	A/W	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\_2018\_NA0017\_159\_169\_20181001\_00103.jpg



View of debris on the waterside 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



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	17.40	Rating **	A/W	Issue No.	1208	
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	23265					
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.	1208 (cont)
LM End	17.40	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_35163\_63285.jpg



WS view: slide gate in a concrete box on levee shoulder.

Photo 2 of 3 : UCIP\_FA\_2018\_35163\_63284.jpg



WS view: U type concrete headwall, 14" CM pipes and 30" RC culvert with flapgate, and concrete spillway on levee slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	17.40	Rating **	A/W	Issue No.	1208 (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	23265				
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 3 of 3 : UCIP\_FA\_2018\_35163\_63283.jpg



LS view: pump house inside wired fence on levee slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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			37.989520 °	37.989520 °
				-121.266878 °	-121.266878 °
DWR ID	23460				
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.	1209 (cont)
LM End	17.40	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_FA\_2018\_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\_2018\_35164\_63288.jpg



LS view: siphon breakers in steel pipe risers and pump house on levee slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	17.41	Rating **	A/W	Issue No.	1210
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	23461				
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.	1210 (cont)
LM End	17.41	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_FA\_2018\_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\_2018\_35165\_63292.jpg



LS view: siphon breakers in steel pipe risers and pump house on levee slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	17.58	Rating **	M	Issue No.	207
LM End	17.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.990579 °	37.990579 °
				-121.269741 °	-121.269741 °
DWR ID	DWR_NA0017_15_s_2018_207				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	17.66	Rating **	M	Issue No.	1213
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	23267				
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					

Photo 1 of 3 : UCIP\_FA\_2018\_35183\_63325.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	17.66	Rating **	M	Issue No.	1213 (cont)	
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	23267					
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.	1213 (cont)
LM End	17.66	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_35183\_63324.jpg



LS view: CMP riser on levee shoulder.

Photo 3 of 3 : UCIP\_FA\_2018\_35183\_63323.jpg



LS view: inside view of CMP riser on levee shoulder. It needs cleaning and clearing.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	18.17	Rating **	A/W	Issue No.	1214
LM End	18.17	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.994695 °	37.994695 °
				-121.278191 °	-121.278191 °
DWR ID	23462				
Comment Code					
Inspector Comment					
FS_ID:35463 DS_ID:23462 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Slide gate in a concrete box on landside shoulder. Concrete headwall and flapgates on waterside. FIELD_STRUCT_DESC: Double 72-inch by 72-inch reinforced concrete box return structure through the levee, at an unknown depth. Slide gate in a concrete box on the landside (LS) shoulder. Concrete headwall and flap gates on the waterside (WS). [Additional Reference(s): USACE San Joaquin O&M Manual 611.1, Volume F, (Station 310+46)]. FS Date: 4/15/2014					

LM Start	<b>18.17</b>	Rating **	A/W	Issue No.	<b>1214 (cont)</b>
LM End	<b>18.17</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_35463\_63782.jpg



WS view: outlet structure with two flapgates and concrete spillway on levee toe.

Photo 2 of 3 : UCIP\_FA\_2018\_35463\_63781.jpg



WS view: two slide gates in concrete box on levee shoulder.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	18.17	Rating **	A/W	Issue No.	1214 (cont)
LM End	18.17	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.994695 °	37.994695 °
				-121.278191 °	-121.278191 °
DWR ID	23462				
Comment Code					
Inspector Comment					
FS_ID:35463 DS_ID:23462 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Slide gate in a concrete box on landside shoulder. Concrete headwall and flapgates on waterside. FIELD_STRUCT_DESC: Double 72-inch by 72-inch reinforced concrete box return structure through the levee, at an unknown depth. Slide gate in a concrete box on the landside (LS) shoulder. Concrete headwall and flap gates on the waterside (WS). [Additional Reference(s): USACE San Joaquin O&M Manual 611.1, Volume F, (Station 310+46)]. FS Date: 4/15/2014					

Photo 3 of 3 : UCIP\_FA\_2018\_35463\_63780.jpg



LS view: double 6 ft by 6 ft concrete box culvert through the levee.

LM Start	18.17	Rating **	M	Issue No.	1215
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	23269				
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 1 of 3 : UCIP\_FA\_2018\_35203\_63345.jpg



LS view: U type concrete headwall and CM pipe on levee slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	18.17	Rating **	M	Issue No.	1215 (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	23269					
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.	1215 (cont)
LM End	18.17	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_35203\_63344.jpg



WS view: slide gate in CMP riser on levee slope. Slide gate handle missing.

Photo 3 of 3 : UCIP\_FA\_2018\_35203\_63343.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	18.32	Rating **	A/W	Issue No.	1216	
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	23270					
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						

LM Start	<b>18.32</b>	Rating **	A/W	Issue No.	<b>1216 (cont)</b>
LM End	<b>18.32</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_FA\_2018\_35204\_63349.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

Photo 2 of 2 : UCIP\_FA\_2018\_35204\_63348.jpg



LS view: U type concrete headwall and CM pipe on levee slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	18.88	Rating **	A/W	Issue No.	1218
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	23464				
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\_2018\_35206\_63361.jpg



WS view: slide gate in a concrete box on levee shoulder.

LM Start	<b>18.88</b>	Rating **	A/W	Issue No.	<b>1218 (cont)</b>
LM End	<b>18.88</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_35206\_63360.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	18.88	Rating **	A/W	Issue No.	1218 (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	23464					
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 3 of 3 : UCIP\_FA\_2018\_35206\_63359.jpg



LS view: U type concrete headwall and CM pipe on levee slope.

LM Start	18.90	Rating **	M	Issue No.	210
LM End	18.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.000064°	38.000064°
				-121.269701°	-121.269701°
DWR ID	DWR_NA0017_15_s_2018_210				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	19.91	Rating **	C	Issue No.	211
LM End	20.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.993722°	37.993501°
				-121.284695°	-121.286525°
DWR ID	DWR_NA0017_15_s_2018_211				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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\_2018\_NA0017\_159\_171\_20181001\_00104.jpg



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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	19.97	Rating **	A/W	Issue No.	1221
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	23274				
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	<b>19.97</b>	Rating **	A/W	Issue No.	<b>1221 (cont)</b>
LM End	<b>19.97</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_FA\_2018\_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\_2018\_35263\_63420.jpg



LS view: a manhole on levee toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	<b>19.99</b>	Rating **	N	Issue No.	<b>103</b>
LM End	<b>19.99</b>	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

LM Start	<b>20.44</b>	Rating **	M	Issue No.	<b>212</b>
LM End	<b>20.44</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.992893°	37.992893°	
			-121.293994°	-121.293994°	
DWR ID	DWR_NA0017_15_s_2018_212				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	<b>21.10</b>	Rating **	C	Issue No.	<b>217</b>
LM End	<b>21.17</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.990780°	37.990092°	
			-121.305510°	-121.306459°	
DWR ID	DWR_NA0017_15_s_2018_217				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	21.10	Rating **	M	Issue No.	214
LM End	21.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.990780 °	37.985369 °
				-121.305510 °	-121.309160 °
DWR ID	DWR_NA0017_15_s_2018_214				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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\_2018\_NA0017\_159\_172\_20181001\_00105.jpg



Erosion was found on the landside of the levee looking downstream.

LM Start	21.81	Rating **	C	Issue No.	219
LM End	21.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.982588 °	37.981767 °
				-121.313030 °	-121.314194 °
DWR ID	DWR_NA0017_15_s_2018_219				
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 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	21.84	Rating **	C	Issue No.	220
LM End	21.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.982375 °	37.982375 °
				-121.313308 °	-121.313308 °
DWR ID	DWR_NA0017_15_s_2018_220				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
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\_2018\_NA0017\_159\_240\_20181001\_00133.jpg



View of erosion on the landside toe of the levee.

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\_2018\_NA0017\_159\_173\_20181001\_00106.jpg



Updated picture of erosion due to runoff on the landside slope of the levee during fall 2016 inspection.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	21.96	Rating **	M	Issue No.	173 (cont)	
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 2 of 2 : FA\_2018\_NA0017\_159\_173\_20181001\_00107.jpg



View of the erosion caused by run off on the landside slope of the levee looking downstream during fall 2015 inspection.

LM Start	22.37	Rating **	M	Issue No.	221
LM End	22.37	Issue Type +	Ma	Location *	WS
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.981438 °	37.981438 °
				-121.321718 °	-121.321718 °
DWR ID	DWR_NA0017_15_s_2018_221				
Comment Code					
Inspector Comment					
An abandoned partially submerged boat is located in the channel.					

Photo 1 of 1 : FA\_2018\_NA0017\_159\_221\_20181001\_00127.jpg



Encroachment abandoned boat in channel looking south.

LM Start	22.53	Rating **	M	Issue No.	222
LM End	22.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.981780 °	37.981780 °
				-121.324447 °	-121.324447 °
DWR ID	DWR_NA0017_15_s_2018_222				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	22.54	Rating **	M	Issue No.	224
LM End	22.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.981842°	37.981842°
				-121.324676°	-121.324676°
DWR ID	DWR_NA0017_15_s_2018_224				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
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\_2018\_NA0017\_159\_185\_20181001\_00111.jpg



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

LM Start	23.55	Rating **	C	Issue No.	231
LM End	23.63	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.979300 °	37.978652 °
				-121.341755 °	-121.342978 °
DWR ID	DWR_NA0017_15_s_2018_231				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

LM Start	23.55	Rating **	M	Issue No.	229
LM End	23.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.979300°	37.976750°
				-121.341756°	-121.345482°
DWR ID	DWR_NA0017_15_s_2018_229				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	23.55	Rating **	C	Issue No.	230
LM End	23.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.979300 °	37.975653 °
				-121.341756 °	-121.346740 °
DWR ID	DWR_NA0017_15_s_2018_230				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
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\_2018\_NA0017\_159\_223\_20181001\_00128.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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/22/2018 10/22/2018	David Julian

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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	0.11	Rating **	U	Issue No.	86
LM End	0.47	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.048159 °	38.048159 °
				-121.016427 °	-121.016427 °
DWR ID	NA0017U16RM23.35				
Comment Code					
Inspector Comment					
08/30/2017: The erosion has cut further into the river bank. Newly collapsed material is observed at the bottom of the erosion site.					
08/16/2016: The erosion site was found progressed with signs of bank slipping.					
08/12/2015: The erosion progressed at the site. Newly collapsed material is observed at the bottom of the erosion.					
08/20/2014: The erosion at the site has worsened. The erosion increased in both length and in height.					
09/12/2013: Site has been visited and signs of new erosion are visible.					
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. [2017 Site ID:NA0017U16RM23.35]					

LM Start	<b>0.11</b>	Rating **	U	Issue No.	<b>86 (cont)</b>
LM End	<b>0.47</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : FA\_2018\_NA0017\_160\_86\_20181003\_00132.jpg



Front view of the erosion looking from the right bank side of the river.

Photo 2 of 4 : FA\_2018\_NA0017\_160\_86\_20181003\_00133.jpg



Close view of the erosion. Signs of new erosion along the site.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	0.11	Rating **	U	Issue No.	86 (cont)	
LM End	0.47	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			38.048159 °	38.048159 °	
				-121.016427 °	-121.016427 °	
DWR ID	NA0017U16RM23.35					
Comment Code						
Inspector Comment						
08/30/2017: The erosion has cut further into the river bank. Newly collapsed material is observed at the bottom of the erosion site.						
08/16/2016: The erosion site was found progressed with signs of bank slipping.						
08/12/2015: The erosion progressed at the site. Newly collapsed material is observed at the bottom of the erosion.						
08/20/2014: The erosion at the site has worsened. The erosion increased in both length and in height.						
09/12/2013: Site has been visited and signs of new erosion are visible.						
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. [2017 Site ID:NA0017U16RM23.35]						

LM Start	<b>0.11</b>	Rating **	U	Issue No.	<b>86 (cont)</b>
LM End	<b>0.47</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : FA\_2018\_NA0017\_160\_86\_20181003\_00134.jpg



Close view of the erosion.

Photo 4 of 4 : FA\_2018\_NA0017\_160\_86\_20181003\_00135.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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 : FA\_2018\_NA0017\_160\_83\_20181003\_00127.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



# San Joaquin County Flood Control and Water Conservation District

Close view of the erosion. Note the drainage pipe at the site.

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**Flood Control Project Maintenance  
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**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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 : FA\_2018\_NA0017\_160\_83\_20181003\_00130.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 : FA\_2018\_NA0017\_160\_82\_20181003\_00124.jpg



Front view of the erosion. The erosion is next to a tree at the levee toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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 : FA\_2018\_NA0017\_160\_82\_20181003\_00125.jpg



Close view of the erosion.

LM Start	<b>1.12</b>	Rating **	U	Issue No.	<b>82 (cont)</b>
LM End	<b>1.12</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA\_2018\_NA0017\_160\_82\_20181003\_00126.jpg



Front view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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]					

LM Start	<b>1.67</b>	Rating **	M	Issue No.	<b>80 (cont)</b>
LM End	<b>1.67</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : FA\_2018\_NA0017\_160\_80\_20181003\_00120.jpg



Front view of the erosion.

Photo 2 of 4 : FA\_2018\_NA0017\_160\_80\_20181003\_00121.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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]						

LM Start	<b>1.67</b>	Rating **	M	Issue No.	<b>80 (cont)</b>
LM End	<b>1.67</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : FA\_2018\_NA0017\_160\_80\_20181003\_00122.jpg



Close view of the erosion.

Photo 4 of 4 : FA\_2018\_NA0017\_160\_80\_20181003\_00123.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                      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 2018**

**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	10/23/2018 10/23/2018	David Julian

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					

**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	<b>1.75</b>	Rating **	M	Issue No.	<b>76 (cont)</b>
LM End	<b>1.76</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : FA\_2018\_NA0017\_160\_76\_20181003\_00114.jpg



Front view of the erosion site.

Photo 2 of 4 : FA\_2018\_NA0017\_160\_76\_20181003\_00115.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	<b>1.75</b>	Rating **	M	Issue No.	<b>76 (cont)</b>
LM End	<b>1.76</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : FA\_2018\_NA0017\_160\_76\_20181003\_00116.jpg



Close view of the erosion.

Photo 4 of 4 : FA\_2018\_NA0017\_160\_76\_20181003\_00117.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	<b>1.77</b>	Rating **	M	Issue No.	<b>75 (cont)</b>
LM End	<b>1.78</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : FA\_2018\_NA0017\_160\_75\_20181003\_00110.jpg



Looking at the erosion from right river bank.

Photo 2 of 4 : FA\_2018\_NA0017\_160\_75\_20181003\_00111.jpg



Front view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	<b>1.77</b>	Rating **	M	Issue No.	<b>75 (cont)</b>
LM End	<b>1.78</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : FA\_2018\_NA0017\_160\_75\_20181003\_00112.jpg



Close view of the erosion.

Photo 4 of 4 : FA\_2018\_NA0017\_160\_75\_20181003\_00113.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                      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 2018**

**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	10/23/2018 10/23/2018	David Julian

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	<b>1.88</b>	Rating **	M	Issue No.	<b>74 (cont)</b>
LM End	<b>1.90</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : FA\_2018\_NA0017\_160\_74\_20181003\_00106.jpg



Front view of the erosion

Photo 2 of 4 : FA\_2018\_NA0017\_160\_74\_20181003\_00107.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	<b>1.88</b>	Rating **	M	Issue No.	<b>74 (cont)</b>
LM End	<b>1.90</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : FA\_2018\_NA0017\_160\_74\_20181003\_00108.jpg



Front view of the erosion.

Photo 4 of 4 : FA\_2018\_NA0017\_160\_74\_20181003\_00109.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	2.01	Rating **	U	Issue No.	236
LM End	2.01	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.035050 °	38.035050 °
				-121.041225 °	-121.041225 °
DWR ID	DWR_NA0017_16_f_2018_236				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Large hole in the road due to animal activity					

Photo 1 of 1 : FA\_2018\_NA0017\_160\_236\_20181024\_00452.jpg



View of large holes in the crown of the levee (October 2018).

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 : FA\_2018\_NA0017\_160\_66\_20181003\_00092.jpg



Front view of the site.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	<b>2.30</b>	Rating **	U	Issue No.	<b>66 (cont)</b>
LM End	<b>2.31</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : FA\_2018\_NA0017\_160\_66\_20181003\_00093.jpg



Close view of the erosion. Note the vegetation at the site.

Photo 3 of 4 : FA\_2018\_NA0017\_160\_66\_20181003\_00094.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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 : FA\_2018\_NA0017\_160\_66\_20181003\_00095.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 : FA\_2018\_NA0017\_160\_70\_20181003\_00099.jpg



Front view of the site from the levee top on the other side of the river.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	<b>2.30</b>	Rating **	M	Issue No.	<b>70 (cont)</b>
LM End	<b>2.31</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : FA\_2018\_NA0017\_160\_70\_20181003\_00100.jpg



Close view of the erosion. Site is covered with vegetation and trees.

Photo 3 of 4 : FA\_2018\_NA0017\_160\_70\_20181003\_00101.jpg



Close view of the erosion.

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

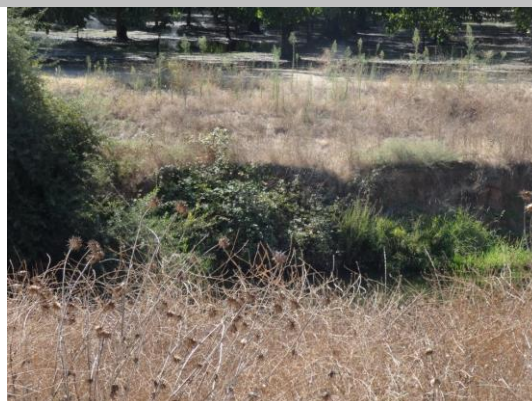
**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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]						

Photo 4 of 4 : FA\_2018\_NA0017\_160\_70\_20181003\_00102.jpg



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					

Photo 1 of 2 : FA\_2018\_NA0017\_160\_213\_20181003\_00176.jpg



Updated picture of the slope instability on the waterside shoulder of the levee looking upstream.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	23323				
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					

LM Start	<b>2.45</b>	Rating **	M	Issue No.	<b>806 (cont)</b>
LM End	<b>2.45</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_FA\_2018\_35551\_64000.jpg



Pipe visible on LS toe.

Photo 2 of 2 : UCIP\_FA\_2018\_35551\_63999.jpg



Grout over pipe on WS. Heavy vegetation blocking view of outlet.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	2.70	Rating **	M	Issue No.	807	
LM End	2.70	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.028210 °	38.028210 °	
				-121.050220 °	-121.050220 °	
DWR ID	23446					
Comment Code						
Inspector Comment						
FS_ID:53506 DS_ID:23446 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/18/2018 Lots of sediment in the inlet: needs to be cleared out. No integrity issues, yet there's dense vegetation and potential flooding risk during high water. Crossing downgraded to "Non-Urgent." (A. McDonald - DWR UCIP)10/31/2016 Same as last inspection. Pipe is open on both ends, no flap gate. (O. Magana - DWR UCIP)04/24/2014 Pipe in non-project levee area. Pipe open on both ends, no flapgate. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal drainage culvert through the levee, 10 feet below the crown. Pipe open on both ends. [Additional Reference(s): 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 2.82)] FS Date: 9/18/2018						

LM Start	<b>2.70</b>	Rating **	M	Issue No.	<b>807 (cont)</b>
LM End	<b>2.70</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_53506\_64067.jpg



Pipe inlet on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_53506\_64066.jpg



Pipe outlet on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	2.70	Rating **	M	Issue No.	807 (cont)	
LM End	2.70	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.028210 °		38.028210 °
				-121.050220 °		-121.050220 °
DWR ID	23446					
Comment Code						
Inspector Comment						
FS_ID:53506						
DS_ID:23446						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/18/2018 Lots of sediment in the inlet: needs to be cleared out. No integrity issues, yet there's dense vegetation and potential flooding risk during high water. Crossing downgraded to "Non-Urgent." (A. McDonald - DWR UCIP)10/31/2016 Same as last inspection. Pipe is open on both ends, no flap gate. (O. Magana - DWR UCIP)04/24/2014 Pipe in non-project levee area. Pipe open on both ends, no flapgate. (W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 36-inch corrugated metal drainage culvert through the levee, 10 feet below the crown. Pipe open on both ends.						
[Additional Reference(s): 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 2.82)]						
FS Date: 9/18/2018						

Photo 3 of 3 : UCIP\_FA\_2018\_53506\_64065.jpg



inside pipe on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	2.85	Rating **	U	Issue No.	64
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 1 of 4 : FA\_2018\_NA0017\_160\_64\_20181003\_00087.jpg



Front view of the erosion.

LM Start	<b>2.85</b>	Rating **	U	Issue No.	<b>64 (cont)</b>
LM End	<b>2.91</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : FA\_2018\_NA0017\_160\_64\_20181003\_00088.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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 3 of 4 : FA\_2018\_NA0017\_160\_64\_20181003\_00089.jpg



Close view of the erosion.

LM Start	<b>2.85</b>	Rating **	U	Issue No.	<b>64 (cont)</b>
LM End	<b>2.91</b>	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : FA\_2018\_NA0017\_160\_64\_20181003\_00090.jpg



Close view of the scarp erosion. Note the small tree at 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

# San Joaquin County Flood Control and Water Conservation District



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	3.53	Rating **	A/W	Issue No.	230 (cont)	
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.						

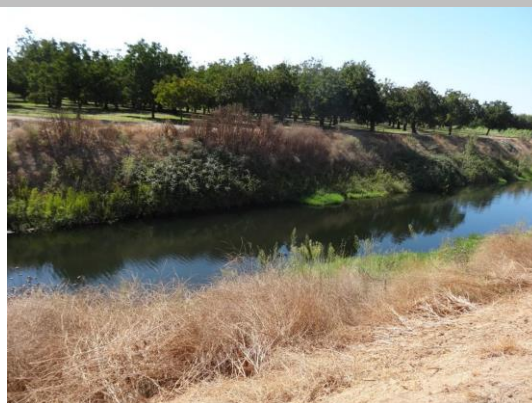
Photo 2 of 2 : FA\_2018\_NA0017\_160\_230\_20181003\_00181.jpg



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]					

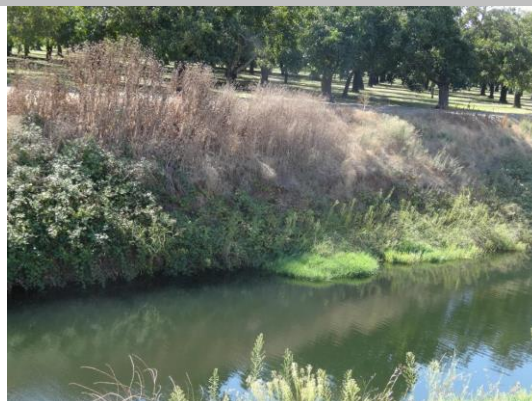
Photo 1 of 4 : FA\_2018\_NA0017\_160\_54\_20181003\_00076.jpg



View of the site from right river bank.

LM Start	<b>3.61</b>	Rating **	M	Issue No.	<b>54 (cont)</b>
LM End	<b>3.61</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : FA\_2018\_NA0017\_160\_54\_20181003\_00077.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 2018**

**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	10/23/2018 10/23/2018	David Julian

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	<b>3.61</b>	Rating **	M	Issue No.	<b>54 (cont)</b>
LM End	<b>3.61</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : FA\_2018\_NA0017\_160\_54\_20181003\_00078.jpg



Close view of the erosion. Note the dense vegetation at the site.

Photo 4 of 4 : FA\_2018\_NA0017\_160\_54\_20181003\_00079.jpg



Close view of the site.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	<b>3.78</b>	Rating **	M	Issue No.	<b>49 (cont)</b>
LM End	<b>3.80</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : FA\_2018\_NA0017\_160\_49\_20181003\_00069.jpg



View of the site from right river bank.

Photo 2 of 4 : FA\_2018\_NA0017\_160\_49\_20181003\_00070.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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					

**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]

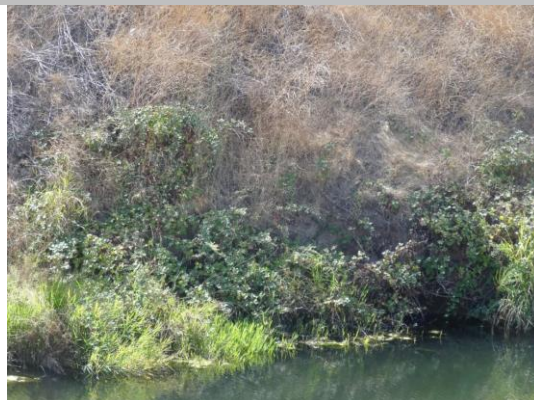
LM Start	<b>3.78</b>	Rating **	M	Issue No.	<b>49 (cont)</b>
LM End	<b>3.80</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : FA\_2018\_NA0017\_160\_49\_20181003\_00071.jpg



Front view of the erosion at the berm.

Photo 4 of 4 : FA\_2018\_NA0017\_160\_49\_20181003\_00072.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	4.16	Rating **	A/W	Issue No.	242
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 1 of 3 : LEVAL\_FA\_2018\_475\_2258.jpg



LM Start	<b>4.16</b>	Rating **	A/W	Issue No.	<b>242 (cont)</b>
LM End	<b>4.16</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : LEVAL\_FA\_2018\_475\_2259.jpg



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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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\_2018\_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 : FA\_2018\_NA0017\_160\_47\_20181003\_00060.jpg



View of the erosion site.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	<b>4.16</b>	Rating **	U	Issue No.	<b>47 (cont)</b>
LM End	<b>4.18</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : FA\_2018\_NA0017\_160\_47\_20181003\_00061.jpg



View of the new erosion under the irrigation pipe.

Photo 3 of 4 : FA\_2018\_NA0017\_160\_47\_20181003\_00062.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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]						

Photo 4 of 4 : FA\_2018\_NA0017\_160\_47\_20181003\_00063.jpg



Close view of the erosion.

LM Start	4.20	Rating **	A/W	Issue No.	228
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 1 of 2 : FA\_2018\_NA0017\_160\_228\_20181003\_00178.jpg



Updated picture of the slope instability on the waterside of the levee looking downstream.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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\_2018\_NA0017\_160\_228\_20181003\_00179.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_f_2018_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\_2018\_NA0017\_160\_73\_20181003\_00104.jpg



Updated picture of the erosion on the waterside of the levee. Spring 2017

LM Start	<b>4.27</b>	Rating **	A/W	Issue No.	<b>73 (cont)</b>
LM End	<b>4.27</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2018\_NA0017\_160\_73\_20181003\_00105.jpg



View of the erosion on the waterside shoulder of the levee during spring 2016 inspection.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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\_2018\_NA0017\_160\_243\_20181003\_00185.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\_2018\_NA0017\_160\_245\_20181003\_00189.jpg



View of erosion on the waterside slope of the levee looking downstream.

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\_2018\_NA0017\_160\_265\_20181003\_00200.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



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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]					

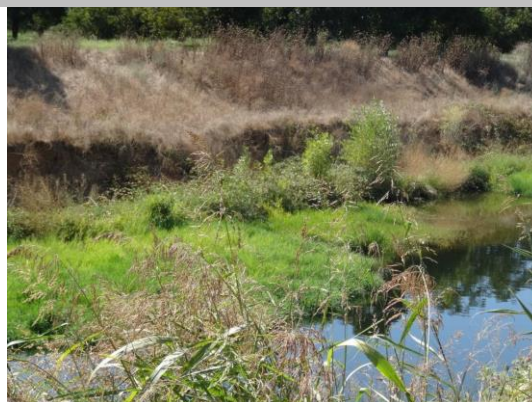
LM Start	<b>5.33</b>	Rating **	M	Issue No.	<b>42 (cont)</b>
LM End	<b>5.38</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : FA\_2018\_NA0017\_160\_42\_20181003\_00053.jpg



Upstream view of the site from right river bank.

Photo 2 of 4 : FA\_2018\_NA0017\_160\_42\_20181003\_00054.jpg



Close view of the site.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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 : FA\_2018\_NA0017\_160\_42\_20181003\_00055.jpg



Close view of the erosion.

LM Start	<b>5.33</b>	Rating **	M	Issue No.	<b>42 (cont)</b>
LM End	<b>5.38</b>	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : FA\_2018\_NA0017\_160\_42\_20181003\_00056.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	23332				
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 buried 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					

LM Start	<b>5.48</b>	Rating **	M	Issue No.	<b>814 (cont)</b>
LM End	<b>5.48</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_35686\_64327.jpg



Pipe visible in water at WS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_35686\_64326.jpg



Grout over pipe in channel on WS.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	23332					
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\_2018\_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 : FA\_2018\_NA0017\_160\_41\_20181003\_00049.jpg



View of the erosion from right river bank.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	<b>5.56</b>	Rating **	U	Issue No.	<b>41 (cont)</b>
LM End	<b>5.58</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : FA\_2018\_NA0017\_160\_41\_20181003\_00050.jpg



Close view of the erosion site.

Photo 3 of 4 : FA\_2018\_NA0017\_160\_41\_20181003\_00051.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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 : FA\_2018\_NA0017\_160\_41\_20181003\_00052.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 : FA\_2018\_NA0017\_160\_40\_20181003\_00045.jpg



View of the site from right river bank.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	<b>5.71</b>	Rating **	M	Issue No.	<b>40 (cont)</b>
LM End	<b>5.72</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : FA\_2018\_NA0017\_160\_40\_20181003\_00046.jpg



Close view of the erosion.

Photo 3 of 4 : FA\_2018\_NA0017\_160\_40\_20181003\_00047.jpg



Close view of the erosion.

LM Start	<b>5.71</b>	Rating **	M	Issue No.	<b>40 (cont)</b>
LM End	<b>5.72</b>	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : FA\_2018\_NA0017\_160\_40\_20181003\_00048.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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\_2018\_NA0017\_160\_264\_20181003\_00199.jpg



A slope instability was found on the waterside of the levee looking upstream.

LM Start	6.45	Rating **	U	Issue No.	57
LM End	6.45	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.984692 °	37.984692 °
				-121.089201 °	-121.089201 °
DWR ID	DWR_NA0017_16_s_2018_57				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Repair depression to maintain patrol road access.					

Photo 1 of 1 : FA\_2018\_NA0017\_160\_57\_20181003\_00081.jpg



Repair crown surface looking east.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	<b>6.49</b>	Rating **	U	Issue No.	<b>39 (cont)</b>
LM End	<b>6.68</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : FA\_2018\_NA0017\_160\_39\_20181003\_00041.jpg



Upstream view of the site from right river bank.

Photo 2 of 4 : FA\_2018\_NA0017\_160\_39\_20181003\_00042.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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]						

Photo 3 of 4 : FA\_2018\_NA0017\_160\_39\_20181003\_00043.jpg



Front view of the erosion.

LM Start	<b>6.49</b>	Rating **	U	Issue No.	<b>39 (cont)</b>
LM End	<b>6.68</b>	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : FA\_2018\_NA0017\_160\_39\_20181003\_00044.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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\_2018\_NA0017\_160\_120\_20181003\_00149.jpg



Updated picture of the slope instability on the waterside of the levee looking downstream.

LM Start	<b>6.70</b>	Rating **	A/W	Issue No.	<b>120 (cont)</b>
LM End	<b>6.70</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2018\_NA0017\_160\_120\_20181003\_00150.jpg



Slope instability was found on the waterside of the levee looking upstream.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	DWR_NA0017_16_f_2018_38				

**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	<b>7.27</b>	Rating **	U	Issue No.	<b>38 (cont)</b>
LM End	<b>7.33</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : FA\_2018\_NA0017\_160\_38\_20181003\_00037.jpg



View of the site from right river bank.

Photo 2 of 4 : FA\_2018\_NA0017\_160\_38\_20181003\_00038.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	DWR_NA0017_16_f_2018_38				

**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	<b>7.27</b>	Rating **	U	Issue No.	<b>38 (cont)</b>
LM End	<b>7.33</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : FA\_2018\_NA0017\_160\_38\_20181003\_00039.jpg



Close view of the erosion.

Photo 4 of 4 : FA\_2018\_NA0017\_160\_38\_20181003\_00040.jpg



Close view of the erosion.

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

Front view of the erosion.

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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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]						

Photo 3 of 4 : FA\_2018\_NA0017\_160\_37\_20181003\_00035.jpg



Close view of the erosion.

LM Start	<b>8.34</b>	Rating **	M	Issue No.	<b>37 (cont)</b>
LM End	<b>8.38</b>	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : FA\_2018\_NA0017\_160\_37\_20181003\_00036.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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\_2018\_NA0017\_160\_248\_20181003\_00191.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 : FA\_2018\_NA0017\_160\_36\_20181003\_00029.jpg



Front view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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 : FA\_2018\_NA0017\_160\_36\_20181003\_00030.jpg



Close view of the erosion.

LM Start	<b>9.00</b>	Rating **	M	Issue No.	<b>36 (cont)</b>
LM End	<b>9.00</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : FA\_2018\_NA0017\_160\_36\_20181003\_00031.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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 : FA\_2018\_NA0017\_160\_36\_20181003\_00032.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 : FA\_2018\_NA0017\_160\_27\_20181003\_00023.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 2018**

**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	10/23/2018 10/23/2018	David Julian

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]						

LM Start	<b>9.03</b>	Rating **	U	Issue No.	<b>27 (cont)</b>
LM End	<b>9.03</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : FA\_2018\_NA0017\_160\_27\_20181003\_00024.jpg



Close view of the erosion.

Photo 3 of 4 : FA\_2018\_NA0017\_160\_27\_20181003\_00025.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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 : FA\_2018\_NA0017\_160\_27\_20181003\_00026.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 : FA\_2018\_NA0017\_160\_18\_20181003\_00014.jpg



Upstream 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 2018**

**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	10/23/2018 10/23/2018	David Julian

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	<b>9.11</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>9.13</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : FA\_2018\_NA0017\_160\_18\_20181003\_00015.jpg



Close view of the erosion.

Photo 3 of 4 : FA\_2018\_NA0017\_160\_18\_20181003\_00016.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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 : FA\_2018\_NA0017\_160\_18\_20181003\_00017.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 : FA\_2018\_NA0017\_160\_14\_20181003\_00010.jpg



Upstream view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	<b>9.31</b>	Rating **	M	Issue No.	<b>14 (cont)</b>
LM End	<b>9.33</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA\_2018\_NA0017\_160\_14\_20181003\_00011.jpg



Close view of the erosion.

Photo 3 of 3 : FA\_2018\_NA0017\_160\_14\_20181003\_00012.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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					

Photo 1 of 1 : FA\_2018\_NA0017\_160\_304\_20181003\_00218.jpg



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	9.44	Rating **	A/W	Issue No.	278
LM End	9.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.966122 °	37.966122 °
				-121.135140 °	-121.135140 °
DWR ID	DWR_NA0017_16_f_2018_278				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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.					

Photo 1 of 1 : FA\_2018\_NA0017\_160\_28\_20181003\_00027.jpg



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	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 2018**

**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	10/23/2018 10/23/2018	David Julian

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	23344				
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\_2018\_36144\_65406.jpg



Inlet on LS shoulder burried in soil.

LM Start	<b>9.48</b>	Rating **	M	Issue No.	<b>829 (cont)</b>
LM End	<b>9.48</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_36144\_65405.jpg



Grout over pipe on WS slope with pipe visible in water at WS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	23344					
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\_2018\_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	23345					
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 1 of 3 : UCIP\_FA\_2018\_36145\_65409.jpg



Grout over pipe on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	23345					
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 2 of 3 : UCIP\_FA\_2018\_36145\_65408.jpg



Pipe at outlet on WS toe.

LM Start	<b>9.78</b>	Rating **	M	Issue No.	<b>830 (cont)</b>
LM End	<b>9.78</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_36145\_65407.jpg



Inlet appears to be burried in soil on LS shoulder.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	<b>9.86</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>9.88</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : FA\_2018\_NA0017\_160\_10\_20181003\_00003.jpg



Upstream view of the site from right river bank.

Photo 2 of 4 : FA\_2018\_NA0017\_160\_10\_20181003\_00004.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	<b>9.86</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>9.88</b>	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	<b>9.86</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>9.88</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : FA\_2018\_NA0017\_160\_10\_20181003\_00005.jpg



Close view of the erosion.

Photo 4 of 4 : FA\_2018\_NA0017\_160\_10\_20181003\_00006.jpg



Close view of the erosion.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	<b>10.20</b>	Rating **	M	Issue No.	<b>832</b>
LM End	<b>10.20</b>	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	23347				

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

LM Start	<b>10.20</b>	Rating **	M	Issue No.	<b>832 (cont)</b>
LM End	<b>10.20</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_36163\_65442.jpg



Pipe and flapgate visible on WS slope.

Photo 2 of 3 : UCIP\_FA\_2018\_36163\_65441.jpg



Pipe and headwall visible at LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	23347					
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\_2018\_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	23348				
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\_2018\_36164\_65445.jpg



Pipe and concrete headwall on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	23348					
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\_2018\_36164\_65444.jpg



Pipe and concrete headwall on LS toe. Sediment buildup on LS toe.

Photo 3 of 3 : UCIP\_FA\_2018\_36164\_65443.jpg



Pipe and flapgate visible on WS slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	10.91	Rating **	M	Issue No.	239
LM End	10.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.961446°	37.961446°
				-121.160542°	-121.160542°
DWR ID	DWR_NA0017_16_s_2018_239				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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	23354				
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\_2018\_36186\_65505.jpg



Pipe at inlet on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	23354					
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\_2018\_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	23355				
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\_2018\_36187\_65508.jpg



Pipe and headwall visible on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	23355					
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\_2018\_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\_2018\_36187\_65506.jpg



Pipe, flapgate, and headwall visible on WS shoulder.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	23385					
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						

LM Start	11.92	Rating **	A/W	Issue No.	845 (cont)
LM End	11.92	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2018\_36208\_65571.jpg



Concrete headwall on LS toe.

Photo 2 of 3 : UCIP\_FA\_2018\_36208\_65570.jpg



Pipe and concrete headwall on WS slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	23385					
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 3 of 3 : UCIP\_FA\_2018\_36208\_65569.jpg



Pipe, headwall, and flapgate on WS slope.

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	23388				
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\_2018\_36225\_65589.jpg



Grouted spillway on WS berm.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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	23388				
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 2 of 3 : UCIP\_FA\_2018\_36225\_65588.jpg



Concrete headwall on LS toe.

LM Start	12.26	Rating **	A/W	Issue No.	847 (cont)
LM End	12.26	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2018\_36225\_65587.jpg



Concrete headwall on LS toe.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	14.48	Rating **	U	Issue No.	305 (cont)	
LM End	14.48	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.968788°	37.968788°	
				-121.220780°	-121.220780°	
DWR ID	DWR_NA0017_16_f_2018_305					
Comment Code						
A2 : Repair the levee slope damaged by livestock and prevent large animal access.						
Inspector Comment						
Many holes in the slope, should be repaired immediately.						

LM Start	<b>14.48</b>	Rating **	U	Issue No.	<b>305 (cont)</b>
LM End	<b>14.48</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : FA\_2018\_NA0017\_160\_305\_20181024\_00461.jpg



View of more animal holes on the land side slope (October 2018).

Photo 3 of 4 : FA\_2018\_NA0017\_160\_305\_20181024\_00462.jpg



View of animal holes at the top of the land side slope and the crown (October 2018).

LM Start	<b>14.48</b>	Rating **	U	Issue No.	<b>305 (cont)</b>
LM End	<b>14.48</b>	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : FA\_2018\_NA0017\_160\_305\_20181024\_00466.jpg



View looking downslope at animal holes on the land side slope (October 2018).

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	<b>15.82</b>	Rating **	M	Issue No.	<b>261</b>
LM End	<b>15.82</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.978215°	37.978215°	
			-121.242285°	-121.242285°	
DWR ID	DWR_NA0017_16_s_2018_261				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	<b>16.12</b>	Rating **	M	Issue No.	<b>71</b>
LM End	<b>16.12</b>	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

LM Start	<b>16.43</b>	Rating **	C	Issue No.	<b>150</b>
LM End	<b>16.43</b>	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					

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



# San Joaquin County Flood Control and Water Conservation District

No Photos

No Photos

Photo 1 of 1 : FA\_2018\_NA0017\_160\_293\_20181003\_00213.jpg



View of an erosion on the landside slope 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 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	17.60	Rating **	M	Issue No.	269
LM End	17.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.990332°	37.990332°
				-121.270874°	-121.270874°
DWR ID	DWR_NA0017_16_s_2018_269				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	18.38	Rating **	M	Issue No.	309
LM End	18.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.992845 °	37.992845 °
				-121.283845 °	-121.283845 °
DWR ID	DWR_NA0017_16_f_2018_309				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2018\_NA0017\_160\_309\_20181024\_00468.jpg



View of animal holes on the land side slope (October 2018).

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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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					
This stump is at 18.94					

Photo 1 of 1 : FA\_2018\_NA0017\_160\_65\_20181003\_00091.jpg



A tree stump was found on the landside of the levee looking upstream.

LM Start	19.15	Rating **	N	Issue No.	310
LM End	19.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.991113 °	37.991113 °
				-121.297598 °	-121.297598 °
DWR ID	DWR_NA0017_16_f _ 2018_310				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA\_2018\_NA0017\_160\_310\_20181024\_00469.jpg



View of tree stumps on the land side slope (October 2018).

LM Start	20.29	Rating **	C	Issue No.	279
LM End	20.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.981697 °	37.981697 °
				-121.312513 °	-121.312513 °
DWR ID	DWR_NA0017_16_s_2018_279				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	20.34	Rating **	C	Issue No.	282
LM End	20.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.981252°	37.981252°
				-121.313144°	-121.313144°
DWR ID	DWR_NA0017_16_s_2018_282				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	20.75	Rating **	C	Issue No.	285
LM End	20.75	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.979293 °	37.979293 °
				-121.319495 °	-121.319495 °
DWR ID	DWR_NA0017_16_s_2018_285				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	20.77	Rating **	M	Issue No.	286
LM End	21.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.979482 °	37.980819 °
				-121.319730 °	-121.324434 °
DWR ID	DWR_NA0017_16_s_2018_286				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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 *	LS
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\_2018\_NA0017\_160\_25\_20181003\_00021.jpg



View a tree that needs trimming on the landside slope of the levee. Fall 2017

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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	21.06	Rating **	A/W	Issue No.	287
LM End	21.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.980835 °	37.980835 °
				-121.324588 °	-121.324588 °
DWR ID	DWR_NA0017_16_s_2018_287				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA\_2018\_NA0017\_160\_287\_20181003\_00212.jpg



Debris waterside looking north.

LM Start	21.22	Rating **	A/W	Issue No.	288
LM End	21.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.981327 °	37.981327 °
				-121.327356 °	-121.327356 °
DWR ID	DWR_NA0017_16_s_2018_288				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	21.34	Rating **	A/W	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_f_2018_299				
Comment Code					
DE : Debris					
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





**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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\_2018\_NA0017\_160\_62\_20181003\_00086.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\_2018\_NA0017\_160\_48\_20181003\_00064.jpg



View of the riprap on the waterside slope of the levee. Fall 2016

LM Start	<b>22.04</b>	Rating **	A/W	Issue No.	<b>48 (cont)</b>
LM End	<b>22.04</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 5 : FA\_2018\_NA0017\_160\_48\_20181003\_00065.jpg



Caltrans repaired the erosion under the southbound (I-5) bridge. The picture was taken from the crown looking upstream during fall 2014 inspection.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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.						

LM Start	<b>22.04</b>	Rating **	A/W	Issue No.	<b>48 (cont)</b>
LM End	<b>22.04</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 5 : FA\_2018\_NA0017\_160\_48\_20181003\_00066.jpg



Updated picture of erosion was found on the waterside toe of the levee looking from the opposite side of the levee. Fall 2013

Photo 4 of 5 : FA\_2018\_NA0017\_160\_48\_20181003\_00067.jpg



Updated view of the erosion site repaired by Caltrans on the waterside slope of the levee looking upstream. Fall 2012

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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 5 of 5 : FA\_2018\_NA0017\_160\_48\_20181003\_00068.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

LM Start	22.19	Rating **	A/W	Issue No.	244
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 1 of 3 : LEVAL\_FA\_2018\_474\_2234.jpg



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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

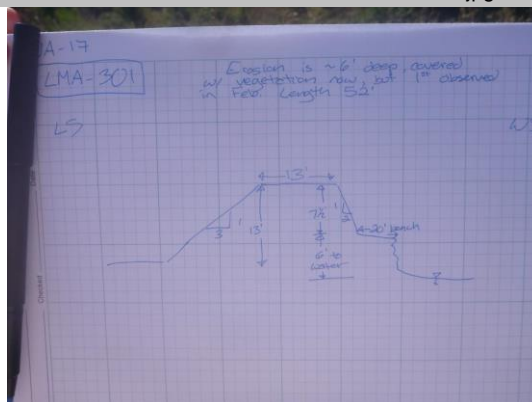
LM Start	22.19	Rating **	A/W	Issue No.	244 (cont)	
LM End	22.19	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			37.977185 °		37.977185 °
				-121.343687 °		-121.343687 °
DWR ID	DWR_NA0017_16_f_2017_244					
Comment Code						
Inspector 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.						

LM Start	<b>22.19</b>	Rating **	A/W	Issue No.	<b>244 (cont)</b>
LM End	<b>22.19</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : LEVAL\_FA\_2018\_474\_2237.jpg



Photo 3 of 3 : LEVAL\_FA\_2018\_474\_2238.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

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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

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					

Photo 1 of 1 : FA\_2018\_NA0017\_160\_302\_20181003\_00216.jpg



Encroachment prunings crown looking east.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	22.46	Rating **	A/W	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\_2018\_NA0017\_160\_303\_20181003\_00217.jpg



View of prunings on the waterside of the levee.

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\_2018\_NA0017\_160\_45\_20181003\_00057.jpg



Updated picture of the arundo on the waterside slope of the levee. Fall 2016

LM Start	<b>22.53</b>	Rating **	U	Issue No.	<b>45 (cont)</b>
LM End	<b>22.53</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2018\_NA0017\_160\_45\_20181003\_00058.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                      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 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	<b>22.87</b>	Rating **	A/W	Issue No.	<b>878</b>
LM End	<b>22.87</b>	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 23409

**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

LM Start	<b>22.87</b>	Rating **	A/W	Issue No.	<b>878 (cont)</b>
LM End	<b>22.87</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_FA\_2018\_37423\_67881.jpg



Pipe visible on WS slope with siphon breaker in box.

Photo 2 of 2 : UCIP\_FA\_2018\_37423\_67880.jpg



Pipe and pumphouse visible on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	22.87	Rating **	A/W	Issue No.	879
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	23503				
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					

Photo 1 of 2 : UCIP\_FA\_2018\_37424\_67883.jpg



Pipe and siphon breaker at left of photo.

LM Start	<b>22.87</b>	Rating **	A/W	Issue No.	<b>879 (cont)</b>
LM End	<b>22.87</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_FA\_2018\_37424\_67882.jpg



Pipe and pumphouse on LS toe.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

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

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	0.00	Rating **	A/W	Issue No.	2	
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	23952					
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\_2018\_33112\_59886.jpg



WS view: overview of pipe culvert and grouted riprap spillway.

LM Start	<b>0.00</b>	Rating **	A/W	Issue No.	<b>2 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_33112\_59885.jpg



WS view: close view of CM pipe, flapgate, and concrete headwall.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	0.00	Rating **	A/W	Issue No.	2 (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	23952					
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\_2018\_33112\_59884.jpg



LS view: concrete headwall of pipe culvert.

LM Start	0.28	Rating **	A/W	Issue No.	3
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	18541				
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\_2018\_33113\_59893.jpg



WS view: CM pipe, flapgate, and concrete headwall on levee slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	0.28	Rating **	A/W	Issue No.	3 (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	18541					

**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

LM Start	<b>0.28</b>	Rating **	A/W	Issue No.	<b>3 (cont)</b>
LM End	<b>0.28</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_33113\_59892.jpg



WS view: concrete flood wall along the levee on waterside.

Photo 3 of 3 : UCIP\_FA\_2018\_33113\_59891.jpg



WS view: CM pipe, intake box, and concrete headwall on levee slope.

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

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**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	10/23/2018 10/23/2018	David Julian

LM Start	0.53	Rating **	A/W	Issue No.	4	
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	18539					
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\_2018\_33114\_59898.jpg



WS view: CM pipe, flapgate, and concrete headwall on levee slope.

LM Start	<b>0.53</b>	Rating **	A/W	Issue No.	<b>4 (cont)</b>
LM End	<b>0.53</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2018\_33114\_59897.jpg



LS view: CM pipe, inlet box, and concrete headwall on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Potter Creek	Left	0.91	10/23/2018 10/23/2018	David Julian

LM Start	0.53	Rating **	A/W	Issue No.	4 (cont)	
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	18539					
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 3 of 3 : UCIP\_FA\_2018\_33114\_59899.jpg



LS view: closer view of CM pipe. May need to clean and clear mud from the pipe.

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