

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/14/2019 11/14/2019	Alberto De Leon

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_NA0017_01_s_2013_3				
Comment Code					
Inspector Comment					
The LMA has all of the required O&M manuals.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_NA0017_01_s_2013_5				
Comment Code					
Inspector Comment					
The LMA has all the required materials at their site.					

No Photos

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

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Littlejohn Creek	Left	2.59	11/14/2019 11/14/2019	Alberto De Leon

LM Start	0.00	Rating **	C	Issue No.	14
LM End	1.25	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.873393 °	37.879931 °
				-121.230903 °	-121.249025 °
DWR ID	DWR_NA0017_01_s_2019_14				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

No Photos

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

Photo 1 of 3 : UCIP_FA_2019_32744_59245.jpg



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

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	11/14/2019 11/14/2019	Alberto De Leon

LM Start	0.60	Rating **	M	Issue No.	16
LM End	0.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.877251°	37.877767°
				-121.239643°	-121.240344°
DWR ID	DWR_NA0017_01_f_2019_16				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.74	Rating **	U	Issue No.	200	
LM End	0.74	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.878634 °	37.878634 °	
				-121.241467 °	-121.241467 °	
DWR ID	17973					
Comment Code						
Inspector Comment						
DS_ID:17973 FS_ID:53494 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 1 of 3 : UCIP_FA_2019_53494_59248.jpg



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

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	11/14/2019 11/14/2019	Alberto De Leon

LM Start	0.74	Rating **	U	Issue No.	200 (cont)	
LM End	0.74	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.878634 °	37.878634 °	
				-121.241467 °	-121.241467 °	
DWR ID	17973					
Comment Code						
Inspector Comment						
DS_ID:17973 FS_ID:53494 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	0.74	Rating **	U	Issue No.	200 (cont)
LM End	0.74	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_53494_59247.jpg



LS view: deformed CMP inlet on a drainage ditch.

Photo 3 of 3 : UCIP_FA_2019_53494_59246.jpg



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

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	11/14/2019 11/14/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.878502 °	37.878502 °	
				-121.242377 °	-121.242377 °	
DWR ID	17972					
Comment Code						
Inspector Comment						
DS_ID:17972						
FS_ID:53461						
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						

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

Photo 1 of 3 : UCIP_FA_2019_53461_74752.jpg



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

Photo 2 of 3 : UCIP_FA_2019_53461_59185.jpg



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

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Littlejohn Creek	Left	2.59	11/14/2019 11/14/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.878502 °		37.878502 °
				-121.242377 °		-121.242377 °
DWR ID	17972					
Comment Code						
Inspector Comment						
DS_ID:17972						
FS_ID:53461						
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_2019_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	DRAFT DWR UCIP LMA Responsibility			37.878494 °		37.878494 °
				-121.242392 °		-121.242392 °
DWR ID	23995					
Comment Code						
Inspector Comment						
DS_ID:23995						
FS_ID:53130						
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_2019_53130_59191.jpg



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

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	11/14/2019 11/14/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.878494 °	37.878494 °	
				-121.242392 °	-121.242392 °	
DWR ID	23995					
Comment Code						
Inspector Comment						
DS_ID:23995 FS_ID:53130 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_2019_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	0.79	Rating **	A/W	Issue No.	202 (cont)
LM End	0.79	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_53130_59189.jpg



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

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	11/14/2019 11/14/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.877566 °		37.877566 °
				-121.246391 °		-121.246391 °
DWR ID	23985					
Comment Code						
Inspector Comment						
DS_ID:23985 FS_ID:53459 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	1.02	Rating **	A/W	Issue No.	203 (cont)
LM End	1.02	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_53459_59251.jpg



Enter photo 1 description or comment here.

Photo 2 of 3 : UCIP_FA_2019_53459_59250.jpg



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

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	11/14/2019 11/14/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.877566 °		37.877566 °
				-121.246391 °		-121.246391 °
DWR ID	23985					
Comment Code						
Inspector Comment						
DS_ID:23985						
FS_ID:53459						
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_2019_53459_59249.jpg



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

LM Start	1.13	Rating **	A	Issue No.	15	
LM End	1.13	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			37.878521 °		37.878521 °
				-121.247808 °		-121.247808 °
DWR ID	DWR_NA0017_01_f_2019_15					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						

Photo 1 of 1 : FA_2019_NA0017_148_15_20191117_00038.jpg



Typical view of vegetation on landside slope. Fall 2019

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	11/14/2019 11/14/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.879076 °	37.879076 °	
				-121.248304 °	-121.248304 °	
DWR ID	17970					
Comment Code						
Inspector Comment						
DS_ID:17970 FS_ID:53458 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_2019_53458_59254.jpg



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

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

Photo 2 of 3 : UCIP_FA_2019_53458_59253.jpg



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

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

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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	11/14/2019 11/14/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.888080 °	37.888080 °	
				-121.266631 °	-121.266631 °	
DWR ID	17966					
Comment Code						
Inspector Comment						
DS_ID:17966 FS_ID:53462 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	2.53	Rating **	A/W	Issue No.	206 (cont)
LM End	2.53	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_53462_59120.jpg



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

Photo 3 of 3 : UCIP_FA_2019_53462_59122.jpg



WS view: concrete outfall pipe on creek bank.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/14/2019 11/14/2019	Alberto De Leon

LM Start	0.50	Rating **	A/W	Issue No.	21	
LM End	0.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.875178 °		37.875178 °
				-121.228514 °		-121.228514 °
DWR ID	17986					
Comment Code						
Inspector Comment						
DS_ID:17986 FS_ID:53457 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_2019_53457_59931.jpg



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

LM Start	0.50	Rating **	A/W	Issue No.	21 (cont)
LM End	0.50	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_53457_59930.jpg



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

* 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 2019

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	11/14/2019 11/14/2019	Alberto De Leon

LM Start	0.50	Rating **	A/W	Issue No.	21 (cont)	
LM End	0.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.875178 °		37.875178 °
				-121.228514 °		-121.228514 °
DWR ID	17986					
Comment Code						
Inspector Comment						
DS_ID:17986 FS_ID:53457 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_2019_53457_59929.jpg



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

LM Start	0.58	Rating **	M	Issue No.	17
LM End	0.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.875332°	37.877355°
				-121.230048°	-121.234393°
DWR ID	DWR_NA0017_02_f_2019_17				
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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/14/2019 11/14/2019	Alberto De Leon

LM Start	1.06	Rating **	A/W	Issue No.	22	
LM End	1.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.877386 °		37.877386 °
				-121.237044 °		-121.237044 °
DWR ID	17983					
Comment Code						
Inspector Comment						
DS_ID:17983 FS_ID:53453 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_2019_53453_59937.jpg



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

LM Start	1.06	Rating **	A/W	Issue No.	22 (cont)
LM End	1.06	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_53453_59936.jpg



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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/14/2019 11/14/2019	Alberto De Leon

LM Start	1.06	Rating **	A/W	Issue No.	22 (cont)	
LM End	1.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.877386 °		37.877386 °
				-121.237044 °		-121.237044 °
DWR ID	17983					
Comment Code						
Inspector Comment						
DS_ID:17983 FS_ID:53453 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 3 of 3 : UCIP_FA_2019_53453_59938.jpg



LS view: CM inlet pipe on levee slope.

LM Start	1.32	Rating **	C	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			37.879548 °	37.887440 °
				-121.240699 °	-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.					

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 2019

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	11/14/2019 11/14/2019	Alberto De Leon

LM Start	1.47	Rating **	A/W	Issue No.	25	
LM End	1.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.879657 °		37.879657 °
				-121.243467 °		-121.243467 °
DWR ID	23984					
Comment Code						
Inspector Comment						
DS_ID:23984						
FS_ID:53455						
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	1.47	Rating **	A/W	Issue No.	25 (cont)
LM End	1.47	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_53455_59947.jpg



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

Photo 2 of 3 : UCIP_FA_2019_53455_59946.jpg



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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/14/2019 11/14/2019	Alberto De Leon

LM Start	1.47	Rating **	A/W	Issue No.	25 (cont)	
LM End	1.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.879657 °		37.879657 °
				-121.243467 °		-121.243467 °
DWR ID	23984					
Comment Code						
Inspector Comment						
DS_ID:23984						
FS_ID:53455						
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_2019_53455_78394.jpg



Outlet cleared of dirt and vegetation by the LMA.

LM Start	1.48	Rating **	A/W	Issue No.	26
LM End	1.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.879603 °	37.879603 °
				-121.243671 °	-121.243671 °
DWR ID	23998				
Comment Code					
Inspector Comment					
DS_ID:23998 FS_ID:53452 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_2019_53452_59952.jpg



WS view: HDPE drain pipe on levee slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/14/2019 11/14/2019	Alberto De Leon

LM Start	1.48	Rating **	A/W	Issue No.	26 (cont)	
LM End	1.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.879603 °	37.879603 °	
				-121.243671 °	-121.243671 °	
DWR ID	23998					
Comment Code						
Inspector Comment						
DS_ID:23998 FS_ID:53452 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	1.48	Rating **	A/W	Issue No.	26 (cont)
LM End	1.48	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_53452_59951.jpg



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

Photo 3 of 3 : UCIP_FA_2019_53452_78388.jpg



Outlet cleared of dirt and vegetation by the LMA.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/14/2019 11/14/2019	Alberto De Leon

LM Start	2.92	Rating **	U	Issue No.	15
LM End	3.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.888367°	37.888674°
				-121.263348°	-121.267802°
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 WS, crown and LS should be removed. Add Gravel and spray to prevent veg growth.					

Photo 1 of 1 : FA_2019_NA0017_149_15_20191117_00033.jpg



View of tumbleweeds on waterside, landside and crown of levee. Fall 2019

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/13/2019 11/13/2019	Alberto De Leon

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	0.23	Rating **	A	Issue No.	2
LM End	0.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.979229°	37.979315°
				-121.094662°	-121.090477°
DWR ID	DWR_NA0017_06_f_2019_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation in this section is well maintained, Fall 2019.					

Photo 1 of 1 : FA_2019_NA0017_150_2_20191117_00004.jpg



Typical view of vegetation on the landside slope. Fall 2019

LM Start	0.24	Rating **	C	Issue No.	5
LM End	0.46	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.979232°	37.979315°
				-121.094575°	-121.090456°
DWR ID	DWR_NA0017_06_s_2019_5				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
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 2019

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	10/25/2019 10/28/2019	Alberto De Leon

LM Start	0.46	Rating **	M	Issue No.	134
LM End	0.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043581 °	38.043568 °
				-121.365131 °	-121.364572 °
DWR ID	DWR_NA0017_07_f_2019_134				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The RD will use hand crews to mow vegetation growth caused by a late spring rain.					

No Photos

LM Start	0.62	Rating **	M	Issue No.	143
LM End	0.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043508 °	38.043508 °
				-121.362369 °	-121.362369 °
DWR ID	DWR_NA0017_07_f_2019_143				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The RD will use hand crews to mow vegetation growth caused by a late spring rain.					

No Photos

LM Start	0.73	Rating **	M	Issue No.	155
LM End	0.73	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043437 °	38.043437 °
				-121.360209 °	-121.360209 °
DWR ID	DWR_NA0017_07_f_2019_155				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Tumble weeds on levee crown need to be removed.					

Photo 1 of 1 : FA_2019_NA0017_151_155_20191117_00341.jpg



View of tumble weeds on crown surface. Fall 2019

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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

Photo 1 of 2 : UCIP_FA_2019_38092_69303.jpg



Pipe and flapgate visible on WS slope.

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

Photo 2 of 2 : UCIP_FA_2019_38092_69302.jpg



Pump over sump off LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.043289 °		38.043289 °
				-121.349353 °		-121.349353 °
DWR ID	23650					
Comment Code						
Inspector Comment						
DS_ID:23650						
FS_ID:38093						
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	1.33	Rating **	A/W	Issue No.	1055 (cont)
LM End	1.33	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2019_38093_69305.jpg



Pipe and flapgate visible on WS slope.

Photo 2 of 2 : UCIP_FA_2019_38093_69304.jpg



Pump over sump off LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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

Photo 1 of 2 : UCIP_FA_2019_38086_69291.jpg



Pipe and flapgate visible on WS slope.

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

Photo 2 of 2 : UCIP_FA_2019_38086_69290.jpg



Pump over sump off LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.043291 °	38.043291 °
				-121.349299 °	-121.349299 °
DWR ID	23692				
Comment Code					
Inspector Comment					
DS_ID:23692					
FS_ID:38089					
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	1.33	Rating **	A/W	Issue No.	1057 (cont)
LM End	1.33	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2019_38089_69297.jpg



Pipe and flapgate visible on WS slope.

Photo 2 of 2 : UCIP_FA_2019_38089_69296.jpg



Pump over sump off LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.043293 °	38.043293 °
				-121.349270 °	-121.349270 °
DWR ID	23693				
Comment Code					
Inspector Comment					
DS_ID:23693					
FS_ID:38088					
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_2019_38088_69295.jpg



Pipe and flapgate on WS slope.

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

Photo 2 of 2 : UCIP_FA_2019_38088_69294.jpg



Pump over sump off LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.043295 °	38.043295 °
				-121.349240 °	-121.349240 °
DWR ID	23694				
Comment Code					
Inspector Comment					
DS_ID:23694 FS_ID:38087 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	1.33	Rating **	A/W	Issue No.	1059 (cont)
LM End	1.33	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2019_38087_69293.jpg



Pipe and flapgate on WS slope.

Photo 2 of 2 : UCIP_FA_2019_38087_69292.jpg



Pump over sump off LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

LM Start	1.46	Rating **	M	Issue No.	156
LM End	1.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.043289 °	38.043289 °
				-121.346841 °	-121.346841 °
DWR ID	DWR_NA0017_07_f_2019_156				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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 is located at the landside toe.					

Photo 1 of 1 : FA_2019_NA0017_151_141_20190830_00032.jpg



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

LM Start	1.79	Rating **	U	Issue No.	158
LM End	1.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043256 °	38.043256 °
				-121.340769 °	-121.340769 °
DWR ID	DWR_NA0017_07_f_2019_158				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Thick berry bushes are covering landside slope.					

Photo 1 of 1 : FA_2019_NA0017_151_158_20191117_00343.jpg



View of thick berry bushes on landside slope. Fall 2019

*** 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 2019

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	10/25/2019 10/28/2019	Alberto De Leon

LM Start	1.90	Rating **	M	Issue No.	159
LM End	1.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.043237°	38.043237°	
			-121.338783°	-121.338783°	
DWR ID	DWR_NA0017_07_f_2019_159				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	1.96	Rating **	M	Issue No.	162
LM End	1.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.043230°	38.043230°	
			-121.337791°	-121.337791°	
DWR ID	DWR_NA0017_07_f_2019_162				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Tumbleweeds on landside shoulder. LMA will have hand crews mow.					

No Photos

LM Start	2.22	Rating **	M	Issue No.	166
LM End	2.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.043199°	38.043199°	
			-121.332917°	-121.332917°	
DWR ID	DWR_NA0017_07_f_2019_166				
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 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.043195 °	38.043195 °	
				-121.331260 °	-121.331260 °	
DWR ID	23522					
Comment Code						
Inspector Comment						
DS_ID:23522 FS_ID:38024 EP_NO: 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 1 of 3 : UCIP_FA_2019_38024_69205.jpg



Headwall and flapgate on WS toe.

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

Photo 2 of 3 : UCIP_FA_2019_38024_69204.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.043195 °	38.043195 °	
				-121.331260 °	-121.331260 °	
DWR ID	23522					
Comment Code						
Inspector Comment						
DS_ID:23522 FS_ID:38024 EP_NO: 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_2019_38024_69203.jpg



Headwall at LS toe.

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	DRAFT DWR UCIP LMA Responsibility			38.043146 °	38.043146 °
				-121.325350 °	-121.325350 °
DWR ID	23523				
Comment Code					
Inspector Comment					
DS_ID:23523 FS_ID:38006 EP_NO: 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_2019_38006_69190.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.043146 °		38.043146 °
				-121.325350 °		-121.325350 °
DWR ID	23523					
Comment Code						
Inspector Comment						
DS_ID:23523						
FS_ID:38006						
EP_NO: 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 2 of 3 : UCIP_FA_2019_38006_69189.jpg



Headwall at inlet on LS toe.

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

Photo 3 of 3 : UCIP_FA_2019_38006_69188.jpg



Headwall and flapgate at WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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

Photo 1 of 1 : FA_2019_NA0017_151_145_20190830_00034.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	DRAFT DWR UCIP LMA Responsibility			38.043164 °		38.043164 °
				-121.322283 °		-121.322283 °
DWR ID	23525					
Comment Code						
Inspector Comment						
DS_ID:23525 FS_ID:38004 EP_NO: 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_2019_38004_69184.jpg



Headwall and flapgate on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.043164 °	38.043164 °	
				-121.322283 °	-121.322283 °	
DWR ID	23525					
Comment Code						
Inspector Comment						
DS_ID:23525 FS_ID:38004 EP_NO: 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_2019_38004_69183.jpg



Headwall at LS toe.

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

Photo 3 of 3 : UCIP_FA_2019_38004_69182.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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

Photo 1 of 3 : UCIP_FA_2019_37999_69164.jpg



Headwall at LS toe.

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

Photo 2 of 3 : UCIP_FA_2019_37999_69163.jpg



Inside pipe at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.043199 °	38.043199 °
				-121.321841 °	-121.321841 °
DWR ID	23526				
Comment Code					
Inspector Comment					
DS_ID:23526 FS_ID:37999 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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.043195 °	38.043195 °
				-121.317498 °	-121.317498 °
DWR ID	23528				
Comment Code					
Inspector Comment					
DS_ID:23528 FS_ID:37998 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_2019_37998_69160.jpg



Headwall on LS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.043195 °	38.043195 °	
				-121.317498 °	-121.317498 °	
DWR ID	23528					
Comment Code						
Inspector Comment						
DS_ID:23528 FS_ID:37998 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	3.06	Rating **	A/W	Issue No.	1069 (cont)
LM End	3.06	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_37998_69159.jpg



Headwall and flapgate on WS toe.

Photo 3 of 3 : UCIP_FA_2019_37998_69158.jpg



Headwall on LS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.043193 °	38.043193 °	
				-121.313684 °	-121.313684 °	
DWR ID	23532					
Comment Code						
Inspector Comment						
DS_ID:23532 FS_ID:37991 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						

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

Photo 1 of 3 : UCIP_FA_2019_37991_69144.jpg



Headwall at LS toe.

Photo 2 of 3 : UCIP_FA_2019_37991_69143.jpg



Headwall and flapgate at WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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

Photo 3 of 3 : UCIP_FA_2019_37991_69142.jpg



Headwall at LS toe.

LM Start	3.40	Rating **	M	Issue No.	175
LM End	3.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.043036 °	38.043036 °
				-121.311325 °	-121.311325 °
DWR ID	DWR_NA0017_07_f_2019_175				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.043048 °		38.043048 °
				-121.309641 °		-121.309641 °
DWR ID	23533					
Comment Code						
Inspector Comment						
DS_ID:23533						
FS_ID:37988						
EP_NO: 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_2019_37988_69139.jpg



Headwall and slidegate on LS toe.

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

Photo 2 of 3 : UCIP_FA_2019_37988_69138.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.042997 °		38.042997 °
				-121.304345 °		-121.304345 °
DWR ID	23534					
Comment Code						
Inspector Comment						
DS_ID:23534 FS_ID:37984 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_2019_37984_69128.jpg



Headwall and flapgate at WS toe.

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

Photo 3 of 3 : UCIP_FA_2019_37984_69127.jpg



Slidegate at headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.043975 °	38.043975 °
				-121.299901 °	-121.299901 °
DWR ID	23535				
Comment Code					
Inspector Comment					
DS_ID:23535					
FS_ID:37982					
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_2019_37982_69125.jpg



Headwall at LS toe.

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

Photo 2 of 3 : UCIP_FA_2019_37982_69124.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.043975 °	38.043975 °	
				-121.299901 °	-121.299901 °	
DWR ID	23535					
Comment Code						
Inspector Comment						
DS_ID:23535						
FS_ID:37982						
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						

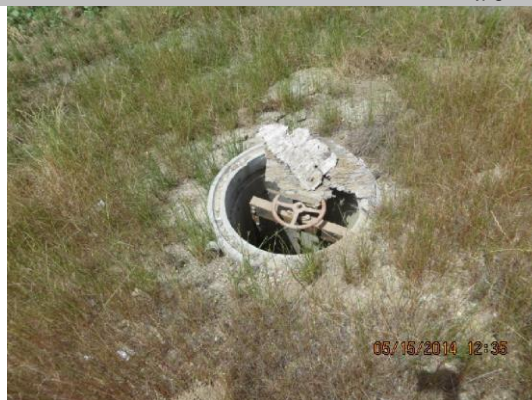
Photo 3 of 3 : UCIP_FA_2019_37982_69123.jpg



Inside pipe at LS toe.

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	DRAFT DWR UCIP LMA Responsibility			38.044651 °	38.044651 °
				-121.295592 °	-121.295592 °
DWR ID	23536				
Comment Code					
Inspector Comment					
DS_ID:23536					
FS_ID:37981					
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_2019_37981_69122.jpg



Slidegate in concrete riser on LS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.044651 °		38.044651 °
				-121.295592 °		-121.295592 °
DWR ID	23536					
Comment Code						
Inspector Comment						
DS_ID:23536 FS_ID:37981 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 2 of 3 : UCIP_FA_2019_37981_69121.jpg



Slidegate in CMP riser on WS slope.

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

Photo 3 of 3 : UCIP_FA_2019_37981_69120.jpg



Adjoining CMP riser on opposite bank.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.044917 °	38.044917 °
				-121.295062 °	-121.295062 °
DWR ID	23538				
Comment Code					
Inspector Comment					
DS_ID:23538 FS_ID:37973 EP_NO: 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_2019_37973_69105.jpg



Headwall on LS toe.

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

Photo 2 of 3 : UCIP_FA_2019_37973_69104.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.044917 °		38.044917 °
				-121.295062 °		-121.295062 °
DWR ID	23538					
Comment Code						
Inspector Comment						
DS_ID:23538 FS_ID:37973 EP_NO: 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 3 of 3 : UCIP_FA_2019_37973_69103.jpg



Headwall on LS toe.

LM Start	4.36	Rating **	M	Issue No.	176
LM End	4.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.045255 °	38.047513 °
				-121.294814 °	-121.292991 °
DWR ID	DWR_NA0017_07_f_2019_176				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Landside toe and easement has vegetation.					

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 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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

Photo 1 of 3 : UCIP_FA_2019_37967_69085.jpg



Concrete standpipe on LS toe.

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

Photo 2 of 3 : UCIP_FA_2019_37967_69084.jpg



Headwall and flapgate on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.047472 °		38.047472 °
				-121.293007 °		-121.293007 °
DWR ID	23540					
Comment Code						
Inspector Comment						
DS_ID:23540						
FS_ID:37967						
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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.050685 °	38.050685 °
				-121.286569 °	-121.286569 °
DWR ID	23543				
Comment Code					
Inspector Comment					
DS_ID:23543					
FS_ID:37957					
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_2019_37957_69055.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.050685 °		38.050685 °
				-121.286569 °		-121.286569 °
DWR ID	23543					
Comment Code						
Inspector Comment						
DS_ID:23543						
FS_ID:37957						
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_2019_37957_69054.jpg



Headwall and flapgate on WS toe.

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

Photo 3 of 3 : UCIP_FA_2019_37957_69053.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.050700 °	38.050700 °	
				-121.286552 °	-121.286552 °	
DWR ID	23678					
Comment Code						
Inspector Comment						
DS_ID:23678						
FS_ID:41807						
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 1 of 3 : UCIP_FA_2019_41807_69050.jpg



Concrete headwall on LS toe.

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

Photo 2 of 3 : UCIP_FA_2019_41807_69049.jpg



Headwall and flapgate on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.050700 °	38.050700 °
				-121.286552 °	-121.286552 °
DWR ID	23678				
Comment Code					
Inspector Comment					
DS_ID:23678 FS_ID:41807 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_2019_41807_69048.jpg



Headwall at LS toe.

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	DRAFT DWR UCIP LMA Responsibility			38.052790 °	38.052790 °
				-121.277636 °	-121.277636 °
DWR ID	23544				
Comment Code					
Inspector Comment					
DS_ID:23544					
FS_ID:37885					
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_2019_37885_68913.jpg



Pipe in channel on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.052790 °		38.052790 °
				-121.277636 °		-121.277636 °
DWR ID	23544					
Comment Code						
Inspector Comment						
DS_ID:23544 FS_ID:37885 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_2019_37885_68912.jpg



Pipe in channel on LS toe.

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

Photo 3 of 3 : UCIP_FA_2019_37885_68911.jpg



Flapgate and headwall at WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.052797 °		38.052797 °
				-121.277231 °		-121.277231 °
DWR ID	23545					
Comment Code						
Inspector Comment						
DS_ID:23545 FS_ID:41801 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_2019_41801_68902.jpg



Headwall and flapgate on WS toe.

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

Photo 2 of 3 : UCIP_FA_2019_41801_68901.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.052797 °		38.052797 °
				-121.277231 °		-121.277231 °
DWR ID	23545					
Comment Code						
Inspector Comment						
DS_ID:23545 FS_ID:41801 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_2019_41801_68900.jpg



Headwall on LS toe.

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	DRAFT DWR UCIP LMA Responsibility			38.052793 °		38.052793 °
				-121.275858 °		-121.275858 °
DWR ID	23546					
Comment Code						
Inspector Comment						
DS_ID:23546 FS_ID:40213 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_2019_40213_68899.jpg



Headwall and flapgate at WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.052793 °	38.052793 °	
				-121.275858 °	-121.275858 °	
DWR ID	23546					
Comment Code						
Inspector Comment						
DS_ID:23546						
FS_ID:40213						
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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.053578 °	38.053578 °
				-121.271938 °	-121.271938 °
DWR ID	23550				
Comment Code					
Inspector Comment					
DS_ID:23550 FS_ID:37874 EP_NO: 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_2019_37874_68894.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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

Photo 2 of 3 : UCIP_FA_2019_37874_68893.jpg



Headwall on LS toe.

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

Photo 3 of 3 : UCIP_FA_2019_37874_68897.jpg



Inside pipe at LS toe. Note sediment buildup.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

LM Start	5.83	Rating **	M	Issue No.	184
LM End	6.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.053561 °	38.054468 °
				-121.271722 °	-121.267193 °
DWR ID	DWR_NA0017_07_f_2019_184				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Vegetation is on landside toe and easement.					

No Photos

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	DRAFT DWR UCIP LMA Responsibility			38.053679 °		38.053679 °
				-121.269812 °		-121.269812 °
DWR ID	23551					
Comment Code						
Inspector Comment						
DS_ID:23551 FS_ID:41802 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment buildup in pipe at LS toe. FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 5.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 6.32) and 612 (addendum), February 1999, (HLM 6.34) (Station 334+54), listed as a 36-inch pipe]. FS Date: 5/15/2014						

Photo 1 of 3 : UCIP_FA_2019_41802_68885.jpg



Headwall and flapgate on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.053679 °	38.053679 °	
				-121.269812 °	-121.269812 °	
DWR ID	23551					
Comment Code						
Inspector Comment						
DS_ID:23551 FS_ID:41802 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 2 of 3 : UCIP_FA_2019_41802_68884.jpg



Headwall on LS toe.

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

Photo 3 of 3 : UCIP_FA_2019_41802_68883.jpg



Headwall on LS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.054467 °	38.054467 °	
				-121.266715 °	-121.266715 °	
DWR ID	23552					
Comment Code						
Inspector Comment						
DS_ID:23552						
FS_ID:40208						
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 1 of 3 : UCIP_FA_2019_40208_68881.jpg



Slide gate on headwall at pipe on LS toe.

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

Photo 2 of 3 : UCIP_FA_2019_40208_68880.jpg



Flapgate and headwall on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.054467 °	38.054467 °	
				-121.266715 °	-121.266715 °	
DWR ID	23552					
Comment Code						
Inspector Comment						
DS_ID:23552						
FS_ID:40208						
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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.054497 °	38.054497 °
				-121.266387 °	-121.266387 °
DWR ID	23554				
Comment Code					
Inspector Comment					
DS_ID:23554					
FS_ID:37852					
EP_NO: 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_2019_37852_68873.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.054497 °		38.054497 °
				-121.266387 °		-121.266387 °
DWR ID	23554					
Comment Code						
Inspector Comment						
DS_ID:23554 FS_ID:37852 EP_NO: 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	6.13	Rating **	A/W	Issue No.	1090 (cont)
LM End	6.13	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_37852_68872.jpg



Headwall, flapgate, and grouted spillway on WS toe.

Photo 3 of 3 : UCIP_FA_2019_37852_68871.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.057275 °	38.057275 °
				-121.262193 °	-121.262193 °
DWR ID	23555				
Comment Code					
Inspector Comment					
DS_ID:23555 FS_ID:37849 EP_NO: 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					

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

Photo 1 of 3 : UCIP_FA_2019_37849_68868.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2019_37849_68867.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.057275 °	38.057275 °	
				-121.262193 °	-121.262193 °	
DWR ID	23555					
Comment Code						
Inspector Comment						
DS_ID:23555						
FS_ID:37849						
EP_NO: 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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.059521 °		38.059521 °
				-121.261491 °		-121.261491 °
DWR ID	23557					
Comment Code						
Inspector Comment						
DS_ID:23557						
FS_ID:37847						
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_2019_37847_68860.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.059521 °	38.059521 °	
				-121.261491 °	-121.261491 °	
DWR ID	23557					
Comment Code						
Inspector Comment						
DS_ID:23557 FS_ID:37847 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_2019_37847_68859.jpg



Pipe and headwall on LS toe.

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

Photo 3 of 3 : UCIP_FA_2019_37847_68858.jpg



Inside pipe on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.061050 °		38.061050 °
				-121.259836 °		-121.259836 °
DWR ID	23559					
Comment Code						
Inspector Comment						
DS_ID:23559 FS_ID:40207 EP_NO: 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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.061678 °	38.061678 °
				-121.259084 °	-121.259084 °
DWR ID	23561				
Comment Code					
Inspector Comment					
DS_ID:23561 FS_ID:37844 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_2019_37844_68853.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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

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

Photo 2 of 3 : UCIP_FA_2019_37844_68852.jpg



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

Photo 3 of 3 : UCIP_FA_2019_37844_68851.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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

Photo 1 of 3 : UCIP_FA_2019_37842_68848.jpg



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

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

Photo 2 of 3 : UCIP_FA_2019_37842_68847.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

LM Start	6.95	Rating **	A/W	Issue No.	1098 (cont)	
LM End	6.95	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.062847 °		38.062847 °
				-121.257143 °		-121.257143 °
DWR ID	23562					
Comment Code						
Inspector Comment						
DS_ID:23562						
FS_ID:37842						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 7.34) and 612 (addendum), February 1999, (HLM 7.30) (Station 385+65)].						
FS Date: 5/15/2014						

Photo 3 of 3 : UCIP_FA_2019_37842_68846.jpg



Pipe and headwall on LS toe.

LM Start	7.11	Rating **	A/W	Issue No.	1099
LM End	7.11	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.064076 °	38.064076 °
				-121.254656 °	-121.254656 °
DWR ID	23563				
Comment Code					
Inspector Comment					
DS_ID:23563					
FS_ID:37841					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 7.51) and 612 (addendum), February 1999, (HLM 7.45) (Station 393+26)].					
FS Date: 5/15/2014					

Photo 1 of 3 : UCIP_FA_2019_37841_68843.jpg



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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.064076 °		38.064076 °
				-121.254656 °		-121.254656 °
DWR ID	23563					
Comment Code						
Inspector Comment						
DS_ID:23563 FS_ID:37841 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_2019_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_2019_37841_68841.jpg



Pipe and headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

LM Start	7.18	Rating **	M	Issue No.	187
LM End	7.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.064768 °	38.066953 °
				-121.253624 °	-121.247138 °
DWR ID	DWR_NA0017_07_f_2019_187				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Landside vegetation on toe and easement.					

No Photos

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	DRAFT DWR UCIP LMA Responsibility			38.064970 °	38.064970 °
				-121.251261 °	-121.251261 °
DWR ID	23564				
Comment Code					
Inspector Comment					
DS_ID:23564					
FS_ID:37840					
EP_NO: 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_2019_37840_68838.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.064970 °	38.064970 °	
				-121.251261 °	-121.251261 °	
DWR ID	23564					
Comment Code						
Inspector Comment						
DS_ID:23564 FS_ID:37840 EP_NO: 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						

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

Photo 2 of 3 : UCIP_FA_2019_37840_68837.jpg



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

Photo 3 of 3 : UCIP_FA_2019_37840_68836.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.065036 °		38.065036 °
				-121.250691 °		-121.250691 °
DWR ID	23565					
Comment Code						
Inspector Comment						
DS_ID:23565 FS_ID:37839 EP_NO: 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						

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

Photo 1 of 3 : UCIP_FA_2019_37839_68833.jpg



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

Photo 2 of 3 : UCIP_FA_2019_37839_68832.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.065036 °	38.065036 °	
				-121.250691 °	-121.250691 °	
DWR ID	23565					
Comment Code						
Inspector Comment						
DS_ID:23565 FS_ID:37839 EP_NO: 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 3 of 3 : UCIP_FA_2019_37839_68831.jpg



Pipe and headwall on LS toe.

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	DRAFT DWR UCIP LMA Responsibility			38.065066 °	38.065066 °
				-121.250523 °	-121.250523 °
DWR ID	23566				
Comment Code					
Inspector Comment					
DS_ID:23566					
FS_ID:37838					
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_2019_37838_68828.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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

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

Photo 2 of 3 : UCIP_FA_2019_37838_68827.jpg



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

Photo 3 of 3 : UCIP_FA_2019_37838_68826.jpg



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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

LM Start	7.47	Rating **	M	Issue No.	188
LM End	7.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.065991°	38.065991°
				-121.248798°	-121.248798°
DWR ID	DWR_NA0017_07_f_2019_188				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

Photo 1 of 3 : UCIP_FA_2019_37837_68823.jpg



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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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

Photo 2 of 3 : UCIP_FA_2019_37837_68822.jpg



Pipe and headwall on LS toe.

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

Photo 3 of 3 : UCIP_FA_2019_37837_68821.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

LM Start	7.67	Rating **	M	Issue No.	189
LM End	7.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.067402 °	38.067402 °
				-121.245553 °	-121.245553 °
DWR ID	DWR_NA0017_07_f_2019_189				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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	DRAFT DWR UCIP LMA Responsibility			38.067466 °		38.067466 °
				-121.244455 °		-121.244455 °
DWR ID	23568					
Comment Code						
Inspector Comment						
DS_ID:23568						
FS_ID:37835						
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_2019_37835_68818.jpg



Pipe, flapgate, and headwall at WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.067466 °		38.067466 °
				-121.244455 °		-121.244455 °
DWR ID	23568					
Comment Code						
Inspector Comment						
DS_ID:23568 FS_ID:37835 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_2019_37835_68817.jpg



Pipe and headwall at LS toe.

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

Photo 3 of 3 : UCIP_FA_2019_37835_68816.jpg



Pipe and headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.067469 °		38.067469 °
				-121.242233 °		-121.242233 °
DWR ID	23569					
Comment Code						
Inspector Comment						
DS_ID:23569 FS_ID:37832 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	7.85	Rating **	A/W	Issue No.	1105 (cont)
LM End	7.85	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_37832_68813.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2019_37832_68812.jpg



Slidegate in 48-inch CMP riser on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.067469 °		38.067469 °
				-121.242233 °		-121.242233 °
DWR ID	23569					
Comment Code						
Inspector Comment						
DS_ID:23569						
FS_ID:37832						
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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.067469 °		38.067469 °
				-121.242214 °		-121.242214 °
DWR ID	23682					
Comment Code						
Inspector Comment						
DS_ID:23682						
FS_ID:37831						
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_2019_37831_68808.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.067469 °		38.067469 °
				-121.242214 °		-121.242214 °
DWR ID	23682					
Comment Code						
Inspector Comment						
DS_ID:23682						
FS_ID:37831						
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_2019_37831_68807.jpg



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

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

Photo 3 of 3 : UCIP_FA_2019_37831_68806.jpg



Pipe, flapgate, and headwall on WS slope.

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

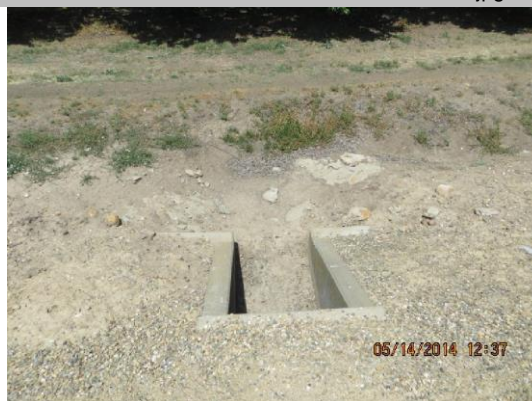
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.067486 °		38.067486 °
				-121.238309 °		-121.238309 °
DWR ID	23570					
Comment Code						
Inspector Comment						
DS_ID:23570 FS_ID:37830 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_2019_37830_68804.jpg



Pipe and headwall on LS toe.

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

Photo 2 of 3 : UCIP_FA_2019_37830_68803.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.067486 °	38.067486 °	
				-121.238309 °	-121.238309 °	
DWR ID	23570					
Comment Code						
Inspector Comment						
DS_ID:23570						
FS_ID:37830						
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_2019_37830_68802.jpg



Inside pipe on LS toe.

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	DRAFT DWR UCIP LMA Responsibility			38.067959 °	38.067959 °
				-121.233443 °	-121.233443 °
DWR ID	23572				
Comment Code					
Inspector Comment					
DS_ID:23572					
FS_ID:37826					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: A gap at the joint between pipe sections was noted inside pipe at LS toe. This may indicate a need for further maintenance.					
FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 8.77)].					
FS Date: 5/14/2014					

Photo 1 of 3 : UCIP_FA_2019_37826_68796.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.067959 °		38.067959 °
				-121.233443 °		-121.233443 °
DWR ID	23572					
Comment Code						
Inspector Comment						
DS_ID:23572						
FS_ID:37826						
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	8.34	Rating **	M	Issue No.	1108 (cont)
LM End	8.34	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_37826_68795.jpg



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

Photo 3 of 3 : UCIP_FA_2019_37826_68794.jpg



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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.067971 °		38.067971 °
				-121.233350 °		-121.233350 °
DWR ID	23573					
Comment Code						
Inspector Comment						
DS_ID:23573						
FS_ID:37825						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Some gaps in Joints between pipe sections noted inside pipe on LS toe. May indicate a need for further maintenance.						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 8.78)].						
FS Date: 5/14/2014						

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

Photo 1 of 3 : UCIP_FA_2019_37825_68791.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2019_37825_68790.jpg



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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.067971 °	38.067971 °	
				-121.233350 °	-121.233350 °	
DWR ID	23573					
Comment Code						
Inspector Comment						
DS_ID:23573						
FS_ID:37825						
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 3 of 3 : UCIP_FA_2019_37825_68789.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	8.40	Rating **	M	Issue No.	190
LM End	8.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.068188 °	38.068188 °
				-121.232396 °	-121.232396 °
DWR ID	DWR_NA0017_07_f_2019_190				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
There are off road tire ruts on LS and WS slopes.					

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 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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

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

Photo 1 of 3 : UCIP_FA_2019_37818_68761.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2019_37818_68760.jpg



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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.068838 °	38.068838 °	
				-121.229996 °	-121.229996 °	
DWR ID	23574					
Comment Code						
Inspector Comment						
DS_ID:23574 FS_ID:37818 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_2019_37818_68759.jpg



Pipe and headwall on LS toe.

LM Start	8.70	Rating **	M	Issue No.	191
LM End	8.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.070083 °	38.070083 °
				-121.227359 °	-121.227359 °
DWR ID	DWR_NA0017_07_f_2019_191				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Tire rut on landside shoulder caused by vehicular traffic accessing bridge crossing. LMA will fill and compact deficit.					

Photo 1 of 1 : FA_2019_NA0017_151_191_20191117_00348.jpg



View of tire rut on crown surface. Fall 2019

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.070171 °	38.070171 °
				-121.226915 °	-121.226915 °
DWR ID	23576				
Comment Code					
Inspector Comment					
DS_ID:23576 FS_ID:40206 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_2019_40206_68756.jpg



Pipe and headwall on LS toe.

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

Photo 2 of 3 : UCIP_FA_2019_40206_68755.jpg



Pipe, flapgate, and headwall on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.070171 °		38.070171 °
				-121.226915 °		-121.226915 °
DWR ID	23576					
Comment Code						
Inspector Comment						
DS_ID:23576						
FS_ID:40206						
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 3 of 3 : UCIP_FA_2019_40206_68754.jpg



Pipe and headwall on LS toe.

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	DRAFT DWR UCIP LMA Responsibility			38.070330 °	38.070330 °
				-121.222680 °	-121.222680 °
DWR ID	23578				
Comment Code					
Inspector Comment					
DS_ID:23578					
FS_ID:42951					
EP_NO: 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_2019_42951_68751.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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

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

Photo 2 of 3 : UCIP_FA_2019_42951_68750.jpg



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

Photo 3 of 3 : UCIP_FA_2019_42951_68749.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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

Photo 1 of 3 : UCIP_FA_2019_37813_68747.jpg



Headwall and pipe at LS toe.

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

Photo 2 of 3 : UCIP_FA_2019_37813_68746.jpg



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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.070367°	38.070367°	
				-121.219932°	-121.219932°	
DWR ID	23580					
Comment Code						
Inspector Comment						
DS_ID:23580						
FS_ID:37813						
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 3 of 3 : UCIP_FA_2019_37813_68745.jpg



Headwall and pipe at LS toe.

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

Photo 1 of 3 : UCIP_FA_2019_37810_68742.jpg



Headwall and flapgate on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.073368 °	38.073368 °	
				-121.215349 °	-121.215349 °	
DWR ID	23582					
Comment Code						
Inspector Comment						
DS_ID:23582 FS_ID:37810 EP_NO: 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 2 of 3 : UCIP_FA_2019_37810_68741.jpg



Pipe and headwall on LS toe.

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

Photo 3 of 3 : UCIP_FA_2019_37810_68740.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

LM Start	9.46	Rating **	M	Issue No.	193
LM End	9.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.073407 °	38.073407 °
				-121.215208 °	-121.215208 °
DWR ID	DWR_NA0017_07_f_2019_193				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	9.53	Rating **	M	Issue No.	194
LM End	9.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.073750 °	38.073750 °
				-121.214011 °	-121.214011 °
DWR ID	DWR_NA0017_07_f_2019_194				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	9.60	Rating **	M	Issue No.	195	
LM End	9.60	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.074036°		38.074036°
				-121.212715°		-121.212715°
DWR ID	DWR_NA0017_07_f_2019_195					
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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.074113 °		38.074113 °
				-121.212224 °		-121.212224 °
DWR ID	23583					
Comment Code						
Inspector Comment						
DS_ID:23583						
FS_ID:37809						
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						

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

Photo 1 of 3 : UCIP_FA_2019_37809_68738.jpg



Concrete headwall and pipe on LS toe.

Photo 2 of 3 : UCIP_FA_2019_37809_68737.jpg



Headwall, pipe, and flapgate on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.074113 °		38.074113 °
				-121.212224 °		-121.212224 °
DWR ID	23583					
Comment Code						
Inspector Comment						
DS_ID:23583						
FS_ID:37809						
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 3 of 3 : UCIP_FA_2019_37809_68736.jpg



Inside pipe at LS toe.

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	DRAFT DWR UCIP LMA Responsibility			38.074201 °	38.074201 °
				-121.211920 °	-121.211920 °
DWR ID	23584				
Comment Code					
Inspector Comment					
DS_ID:23584 FS_ID:37807 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 1 of 3 : UCIP_FA_2019_37807_68732.jpg



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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.074201 °		38.074201 °
				-121.211920 °		-121.211920 °
DWR ID	23584					
Comment Code						
Inspector Comment						
DS_ID:23584 FS_ID:37807 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 2 of 3 : UCIP_FA_2019_37807_68731.jpg



Pipe and headwall on LS toe.

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

Photo 3 of 3 : UCIP_FA_2019_37807_68730.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	9.76	Rating **	C	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					

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 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.077230 °	38.077230 °
				-121.208208 °	-121.208208 °
DWR ID	23585				
Comment Code					
Inspector Comment					
DS_ID:23585 FS_ID:41804 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some silt buildup in pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 10.45) and 612 (addendum), February 1999, (HLM 10.46) (Station 552+25)]. FS Date: 5/14/2014					

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

Photo 1 of 3 : UCIP_FA_2019_41804_68727.jpg



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

Photo 2 of 3 : UCIP_FA_2019_41804_68726.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.077230 °	38.077230 °
				-121.208208 °	-121.208208 °
DWR ID	23585				
Comment Code					
Inspector Comment					
DS_ID:23585 FS_ID:41804 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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.078814 °		38.078814 °
				-121.205762 °		-121.205762 °
DWR ID	23586					
Comment Code						
Inspector Comment						
DS_ID:23586 FS_ID:37803 EP_NO: 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_2019_37803_68722.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.078814 °		38.078814 °
				-121.205762 °		-121.205762 °
DWR ID	23586					
Comment Code						
Inspector Comment						
DS_ID:23586						
FS_ID:37803						
EP_NO: 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_2019_37803_68721.jpg



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

Photo 3 of 3 : UCIP_FA_2019_37803_68720.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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

Photo 1 of 3 : UCIP_FA_2019_37786_68701.jpg



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

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

Photo 2 of 3 : UCIP_FA_2019_37786_68700.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.080050 °	38.080050 °	
				-121.201087 °	-121.201087 °	
DWR ID	23646					
Comment Code						
Inspector Comment						
DS_ID:23646 FS_ID:37786 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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.082589 °		38.082589 °
				-121.198521 °		-121.198521 °
DWR ID	23587					
Comment Code						
Inspector Comment						
DS_ID:23587						
FS_ID:41805						
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_2019_41805_68682.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.082589 °		38.082589 °
				-121.198521 °		-121.198521 °
DWR ID	23587					
Comment Code						
Inspector Comment						
DS_ID:23587 FS_ID:41805 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 2 of 3 : UCIP_FA_2019_41805_68681.jpg



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

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

Photo 3 of 3 : UCIP_FA_2019_41805_68680.jpg



Pipe, flapgate, and headwall on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.084165 °		38.084165 °
				-121.196427 °		-121.196427 °
DWR ID	23588					
Comment Code						
Inspector Comment						
DS_ID:23588						
FS_ID:37779						
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	10.81	Rating **	A/W	Issue No.	1121 (cont)
LM End	10.81	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_37779_68666.jpg



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

Photo 2 of 3 : UCIP_FA_2019_37779_68665.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.084165 °	38.084165 °	
				-121.196427 °	-121.196427 °	
DWR ID	23588					
Comment Code						
Inspector Comment						
DS_ID:23588 FS_ID:37779 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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.087249 °		38.087249 °
				-121.189337 °		-121.189337 °
DWR ID	23590					
Comment Code						
Inspector Comment						
DS_ID:23590 FS_ID:37773 EP_NO: 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_2019_37773_68635.jpg



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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.087249 °		38.087249 °
				-121.189337 °		-121.189337 °
DWR ID	23590					
Comment Code						
Inspector Comment						
DS_ID:23590						
FS_ID:37773						
EP_NO: 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 2 of 3 : UCIP_FA_2019_37773_68634.jpg



Pipe and headwall on LS toe.

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

Photo 3 of 3 : UCIP_FA_2019_37773_68633.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.092076 °	38.092076 °
				-121.183118 °	-121.183118 °
DWR ID	23593				
Comment Code					
Inspector Comment					
DS_ID:23593 FS_ID:37753 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some rocky debris buildup inside pipe on LS toe. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.30)]. FS Date: 5/14/2014					

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

Photo 1 of 3 : UCIP_FA_2019_37753_68594.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2019_37753_68593.jpg



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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.092076 °	38.092076 °	
				-121.183118 °	-121.183118 °	
DWR ID	23593					
Comment Code						
Inspector Comment						
DS_ID:23593 FS_ID:37753 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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.092270 °		38.092270 °
				-121.181332 °		-121.181332 °
DWR ID	23594					
Comment Code						
Inspector Comment						
DS_ID:23594						
FS_ID:53044						
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_2019_53044_68589.jpg



Pipe and headwall at the LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.092270 °	38.092270 °	
				-121.181332 °	-121.181332 °	
DWR ID	23594					
Comment Code						
Inspector Comment						
DS_ID:23594						
FS_ID:53044						
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						

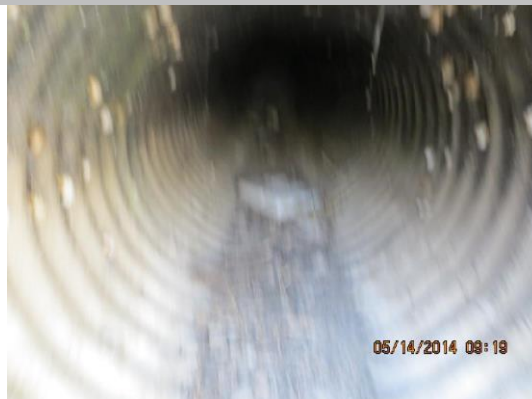
LM Start	11.88	Rating **	A/W	Issue No.	1125 (cont)
LM End	11.88	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_53044_68588.jpg



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

Photo 3 of 3 : UCIP_FA_2019_53044_68591.jpg



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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.092293 °	38.092293 °
				-121.181078 °	-121.181078 °
DWR ID	23505				
Comment Code					
Inspector Comment					
DS_ID:23505					
FS_ID:37751					
EP_NO: 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	11.90	Rating **	A/W	Issue No.	1126 (cont)
LM End	11.90	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_37751_68585.jpg



Headwall and pipe on LS toe.

Photo 2 of 3 : UCIP_FA_2019_37751_68584.jpg



Headwall, pipe, and flapgate on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.092293 °	38.092293 °	
				-121.181078 °	-121.181078 °	
DWR ID	23505					
Comment Code						
Inspector Comment						
DS_ID:23505						
FS_ID:37751						
EP_NO: 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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.093170 °		38.093170 °
				-121.177313 °		-121.177313 °
DWR ID	23507					
Comment Code						
Inspector Comment						
DS_ID:23507						
FS_ID:37745						
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_2019_37745_68567.jpg



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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.093170 °	38.093170 °	
				-121.177313 °	-121.177313 °	
DWR ID	23507					
Comment Code						
Inspector Comment						
DS_ID:23507 FS_ID:37745 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_2019_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_2019_37745_68565.jpg



Inside of pipe on LS toe. Silt buildup.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.094163 °	38.094163 °
				-121.176824 °	-121.176824 °
DWR ID	23508				
Comment Code					
Inspector Comment					
DS_ID:23508 FS_ID:37732 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_2019_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_2019_37732_68554.jpg



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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.094163 °	38.094163 °	
				-121.176824 °	-121.176824 °	
DWR ID	23508					
Comment Code						
Inspector Comment						
DS_ID:23508 FS_ID:37732 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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.094456 °		38.094456 °
				-121.176806 °		-121.176806 °
DWR ID	23509					
Comment Code						
Inspector Comment						
DS_ID:23509						
FS_ID:37731						
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_2019_37731_68550.jpg



Pipe, flapgate, and headwall on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.094456 °	38.094456 °	
				-121.176806 °	-121.176806 °	
DWR ID	23509					
Comment Code						
Inspector Comment						
DS_ID:23509						
FS_ID:37731						
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_2019_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_2019_37731_68548.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

LM Start	12.67	Rating **	M	Issue No.	146
LM End	12.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.100831 °	38.100831 °	
			-121.177491 °	-121.177491 °	
DWR ID	DWR_NA0017_07_s _ 2019_146				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	12.70	Rating **	M	Issue No.	149
LM End	12.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.101282 °	38.101282 °	
			-121.177702 °	-121.177702 °	
DWR ID	DWR_NA0017_07_s _ 2019_149				
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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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

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

Photo 1 of 3 : UCIP_FA_2019_37719_68528.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2019_37719_68527.jpg



Pipe, flapgate, and headwall on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.101797°	38.101797°
				-121.177750°	-121.177750°
DWR ID	23512				
Comment Code					
Inspector Comment					
DS_ID:23512 FS_ID:37719 EP_NO: 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_2019_37719_68526.jpg



Pipe, flapgate, and headwall on WS toe.

LM Start	12.78	Rating **	M	Issue No.	150
LM End	12.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.102378°	38.102550°
				-121.177763°	-121.177749°
DWR ID	DWR_NA0017_07_s_2019_150				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Tire ruts are on the crown and waterside shoulder.					

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 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.106393 °		38.106393 °
				-121.175587 °		-121.175587 °
DWR ID	23597					
Comment Code						
Inspector Comment						
DS_ID:23597						
FS_ID:37690						
EP_NO: 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	13.09	Rating **	A/W	Issue No.	1137 (cont)
LM End	13.09	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_37690_68450.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2019_37690_68449.jpg



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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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

Photo 3 of 3 : UCIP_FA_2019_37690_68448.jpg



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

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

Photo 1 of 3 : UCIP_FA_2019_37689_68446.jpg



Pipe and concrete headwall on LS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.111310 °	38.111310 °	
				-121.172760 °	-121.172760 °	
DWR ID	23598					
Comment Code						
Inspector Comment						
DS_ID:23598						
FS_ID:37689						
EP_NO: 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	13.48	Rating **	A/W	Issue No.	1138 (cont)
LM End	13.48	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_37689_68445.jpg



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

Photo 3 of 3 : UCIP_FA_2019_37689_68444.jpg



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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

LM Start	13.49	Rating **	C	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					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

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	DRAFT DWR UCIP LMA Responsibility			38.116150 °	38.116150 °	
				-121.172220 °	-121.172220 °	
DWR ID	23600					
Comment Code						
Inspector Comment						
DS_ID:23600						
FS_ID:37675						
EP_NO: 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_2019_37675_68408.jpg



Pipe and concrete headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.116150 °	38.116150 °	
				-121.172220 °	-121.172220 °	
DWR ID	23600					
Comment Code						
Inspector Comment						
DS_ID:23600						
FS_ID:37675						
EP_NO: 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						

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

Photo 2 of 3 : UCIP_FA_2019_37675_68405.jpg



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

Photo 3 of 3 : UCIP_FA_2019_37675_68402.jpg



Pipe and concrete headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.116423 °		38.116423 °
				-121.172178 °		-121.172178 °
DWR ID	23601					
Comment Code						
Inspector Comment						
DS_ID:23601						
FS_ID:37666						
EP_NO: 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_2019_37666_68385.jpg



Pipe, flapgate, and headwall on WS slope.

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

Photo 2 of 3 : UCIP_FA_2019_37666_68384.jpg



Pipe, flapgate, and headwall on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.116423 °	38.116423 °	
				-121.172178 °	-121.172178 °	
DWR ID	23601					
Comment Code						
Inspector Comment						
DS_ID:23601 FS_ID:37666 EP_NO: 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 3 of 3 : UCIP_FA_2019_37666_68383.jpg



Drop-inlet on LS toe.

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

Photo 1 of 3 : UCIP_FA_2019_37663_68359.jpg



Cobble grouted inlet from fish pond on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.116869 °	38.116869 °	
				-121.172078 °	-121.172078 °	
DWR ID	23602					
Comment Code						
Inspector Comment						
DS_ID:23602						
FS_ID:37663						
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	13.87	Rating **	A/W	Issue No.	1143 (cont)
LM End	13.87	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_37663_68358.jpg



Pipe, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP_FA_2019_37663_68357.jpg



Pipe, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

LM Start	13.88	Rating **	M	Issue No.	151
LM End	16.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.116989°	38.140567°
				-121.172019°	-121.151001°
DWR ID	DWR_NA0017_07_s_2019_151				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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 the waterside is caused by 2 pipe outlets.					

Photo 1 of 1 : FA_2019_NA0017_151_179_20190830_00044.jpg



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

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 is on the waterside slope.					

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 2019

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	10/25/2019 10/28/2019	Alberto De Leon

LM Start	14.16	Rating **	C	Issue No.	152
LM End	14.30	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.120684 °	38.122682 °	
			-121.169960 °	-121.169565 °	
DWR ID	DWR_NA0017_07_s_2019_152				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	14.25	Rating **	M	Issue No.	153
LM End	14.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.121960 °	38.121960 °	
			-121.169441 °	-121.169441 °	
DWR ID	DWR_NA0017_07_s_2019_153				
Comment Code					
T2 : 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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

LM Start	14.27	Rating **	A/W	Issue No.	139
LM End	14.27	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.122152 °	38.122152 °
				-121.169461 °	-121.169461 °
DWR ID	LMA-305				

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.

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

Photo 1 of 3 : LEVAL_FA_2019_478_2262.jpg



Photo 2 of 3 : LEVAL_FA_2019_478_2264.jpg



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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

LM Start	14.27	Rating **	A/W	Issue No.	139 (cont)	
LM End	14.27	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.122152 °		38.122152 °
				-121.169461 °		-121.169461 °
DWR ID	LMA-305					
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_2019_478_2267.jpg



LM Start	14.37	Rating **	M	Issue No.	154
LM End	14.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.123697 °	38.123697 °
				-121.169601 °	-121.169601 °
DWR ID	DWR_NA0017_07_s_2019_154				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Broken tree branch/limb is on the landside shoulder.					

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 2019

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	10/25/2019 10/28/2019	Alberto De Leon

LM Start	14.44	Rating **	M	Issue No.	201
LM End	14.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.124614 °	38.128403 °	
			-121.169070 °	-121.161076 °	
DWR ID	DWR_NA0017_07_f_2019_201				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	14.44	Rating **	M	Issue No.	177
LM End	14.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.124616 °	38.126404 °	
			-121.169069 °	-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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.124667°	38.124667°
				-121.169038°	-121.169038°
DWR ID	23604				
Comment Code					
Inspector Comment					
DS_ID:23604 FS_ID:37660 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_2019_37660_68354.jpg



Pipe and headwall on LS toe.

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

Photo 2 of 3 : UCIP_FA_2019_37660_68353.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.124667°	38.124667°	
				-121.169038°	-121.169038°	
DWR ID	23604					
Comment Code						
Inspector Comment						
DS_ID:23604 FS_ID:37660 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 3 of 3 : UCIP_FA_2019_37660_68352.jpg



Inside concrete pipe at LS toe.

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	DRAFT DWR UCIP LMA Responsibility			38.125671 °	38.125671 °
				-121.167975 °	-121.167975 °
DWR ID	23605				
Comment Code					
Inspector Comment					
DS_ID:23605					
FS_ID:37658					
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_2019_37658_68343.jpg



Grouted spillway and pipe visible on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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

Photo 2 of 3 : UCIP_FA_2019_37658_68342.jpg



Grouted spillway and pipe visible on WS slope.

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

Photo 3 of 3 : UCIP_FA_2019_37658_68341.jpg



Inside pipe at WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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

Photo 1 of 3 : UCIP_FA_2019_37655_68336.jpg



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

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

Photo 2 of 3 : UCIP_FA_2019_37655_68335.jpg



Concrete headwall and pipe at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.127941 °	38.127941 °	
				-121.161531 °	-121.161531 °	
DWR ID	23607					
Comment Code						
Inspector Comment						
DS_ID:23607						
FS_ID:37655						
EP_NO: 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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.129803 °		38.129803 °
				-121.159474 °		-121.159474 °
DWR ID	23609					
Comment Code						
Inspector Comment						
DS_ID:23609						
FS_ID:37653						
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_2019_37653_68329.jpg



Concrete headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.129803 °	38.129803 °	
				-121.159474 °	-121.159474 °	
DWR ID	23609					
Comment Code						
Inspector Comment						
DS_ID:23609						
FS_ID:37653						
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_2019_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_2019_37653_68327.jpg



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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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_2019_NA0017_151_53_20190830_00017.jpg



View of a stump in the landward slope.

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

Photo 1 of 3 : UCIP_FA_2019_37652_68326.jpg



24-inch riser/dropinlet on LS toe.

*** Location**

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

**** Rating**

A : Acceptable 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 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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

Photo 2 of 3 : UCIP_FA_2019_37652_68325.jpg



Concrete headwall on WS toe.

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

Photo 3 of 3 : UCIP_FA_2019_37652_68324.jpg



Pipe, flapgate, and Concrete headwall on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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

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

Photo 1 of 3 : UCIP_FA_2019_37651_68322.jpg



Concrete headwall and grouted spillway on WS slope.

Photo 2 of 3 : UCIP_FA_2019_37651_68321.jpg



concrete headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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

Photo 3 of 3 : UCIP_FA_2019_37651_68320.jpg



concrete headwall on LS toe.

LM Start	15.51	Rating **	U	Issue No.	1156	
LM End	15.51	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.132632 °		38.132632 °
				-121.153838 °		-121.153838 °
DWR ID	23612					
Comment Code						
Inspector Comment						
DS_ID:23612 FS_ID:53498 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 1 of 3 : UCIP_FA_2019_53498_68319.jpg



Pipe visible on WS slope with grouted spillway.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.132632 °	38.132632 °	
				-121.153838 °	-121.153838 °	
DWR ID	23612					
Comment Code						
Inspector Comment						
DS_ID:23612 FS_ID:53498 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 2 of 3 : UCIP_FA_2019_53498_68318.jpg



Pipe at inlet on LS toe.

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

Photo 3 of 3 : UCIP_FA_2019_53498_68317.jpg



Inside pipe at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.135676 °	38.135676 °	
				-121.152769 °	-121.152769 °	
DWR ID	23614					
Comment Code						
Inspector Comment						
DS_ID:23614 FS_ID:53499 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						

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

Photo 1 of 3 : UCIP_FA_2019_53499_68316.jpg



Pipe on WS slope.

Photo 2 of 3 : UCIP_FA_2019_53499_68315.jpg



Pipe at inlet on LS shoulder.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/25/2019 10/28/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.135676 °	38.135676 °	
				-121.152769 °	-121.152769 °	
DWR ID	23614					
Comment Code						
Inspector Comment						
DS_ID:23614 FS_ID:53499 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_2019_53499_68314.jpg



Inside pipe at LS inlet.

LM Start	15.86	Rating **	A/W	Issue No.	26
LM End	15.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.137840 °	38.137840 °
				-121.152028 °	-121.152028 °
DWR ID	NA0017U07RM23.14				
Comment Code					
Inspector Comment					
Site ID: NA0017U07RM23.14 08/01/2019: The erosion has cut into the patrol road and may impact access if not repaired. The erosion has likely been caused by surface runoff. This area is patrol road only.					

Photo 1 of 3 : SJR2019_DWR_NA0017_07_f_2018_180_4.JPG



Looking down at 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 2019

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	10/25/2019 10/28/2019	Alberto De Leon

LM Start	15.86	Rating **	A/W	Issue No.	26 (cont)	
LM End	15.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			38.137840 °	38.137840 °	
				-121.152028 °	-121.152028 °	
DWR ID	NA0017U07RM23.14					
Comment Code						
Inspector Comment						
Site ID: NA0017U07RM23.14 08/01/2019: The erosion has cut into the patrol road and may impact access if not repaired. The erosion has likely been caused by surface runoff. This area is patrol road only.						

Photo 2 of 3 : SJR2019_DWR_NA0017_07_f_2018_180_3.JPG



Close view of the erosion.

LM Start	15.86	Rating **	A/W	Issue No.	26 (cont)
LM End	15.90	Issue Type +	Ma	Location *	

Photo 3 of 3 : SJR2019_DWR_NA0017_07_f_2018_180_5.JPG



Close-up view of the erosion.

LM Start	15.88	Rating **	C	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					
Erosion site repaired summer 2019.					

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 2019

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	10/25/2019 10/28/2019	Alberto De Leon

LM Start	16.04	Rating **	C	Issue No.	181
LM End	16.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.139930 °	38.139930 °
				-121.151713 °	-121.151713 °
DWR ID	DWR_NA0017_07_f_2018_181				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion site repaired, summer 2019.					

No Photos

LM Start	16.07	Rating **	C	Issue No.	182
LM End	16.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.140343 °	38.140343 °
				-121.151236 °	-121.151236 °
DWR ID	DWR_NA0017_07_f_2018_182				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion site repaired summer 2019.					

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 2019

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	10/28/2019 10/29/2019	Alberto De Leon

LM Start	2.01	Rating **	C	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					

No Photos

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	DRAFT DWR UCIP LMA Responsibility			38.042769 °	38.042769 °
				-121.344760 °	-121.344760 °
DWR ID	23731				
Comment Code					
Inspector Comment					
DS_ID:23731					
FS_ID:38523					
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_2019_38523_70515.jpg



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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.042769 °		38.042769 °
				-121.344760 °		-121.344760 °
DWR ID	23731					
Comment Code						
Inspector Comment						
DS_ID:23731						
FS_ID:38523						
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_2019_38523_70514.jpg



Siphon Breaker in CMP riser on WS shoulder.

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

Photo 3 of 3 : UCIP_FA_2019_38523_70513.jpg



flapgate on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.042760 °		38.042760 °
				-121.344750 °		-121.344750 °
DWR ID	23821					
Comment Code						
Inspector Comment						
DS_ID:23821						
FS_ID:38524						
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	2.15	Rating **	A/W	Issue No.	1118 (cont)
LM End	2.15	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_38524_70518.jpg



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

Photo 2 of 3 : UCIP_FA_2019_38524_70517.jpg



siphon breaker visible in 24-inch CMP riser on WS shoulder.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.042760 °		38.042760 °
				-121.344750 °		-121.344750 °
DWR ID	23821					
Comment Code						
Inspector Comment						
DS_ID:23821						
FS_ID:38524						
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_2019_38524_70516.jpg



Flapgate on WS slope.

LM Start	2.30	Rating **	U	Issue No.	129
LM End	2.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.042748 °	38.042739 °
				-121.341960 °	-121.340631 °
DWR ID	DWR_NA0017_08_s_2019_129				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Berry bushes on the waterside slope need to be removed.					

Photo 1 of 1 : FA_2019_NA0017_152_129_20190830_00021.jpg



View of berry bushes on waterside slope. (Spring 2019)

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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

No Photos

LM Start	2.41	Rating **	N	Issue No.	40
LM End	2.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.042751 °	38.042751 °	
			-121.342119 °	-121.342119 °	
DWR ID	DWR_NA0017_08_f_2018_40				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	2.48	Rating **	C	Issue No.	138
LM End	2.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.042740 °	38.042740 °	
			-121.338764 °	-121.338764 °	
DWR ID	DWR_NA0017_08_s_2019_138				
Comment Code					
TR : Tree or limb					
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 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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_2019_NA0017_152_12_20190830_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 2019

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	10/28/2019 10/29/2019	Alberto De Leon

LM Start	2.82	Rating **	C	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	2.83	Rating **	M	Issue No.	174
LM End	2.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.042698 °	38.042698 °
				-121.332267 °	-121.332267 °
DWR ID	DWR_NA0017_08_f_2019_174				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	3.03	Rating **	N	Issue No.	137
LM End	3.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042683 °	38.042683 °
				-121.328674 °	-121.328674 °
DWR ID	DWR_NA0017_08_s_2016_137				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.042660 °	38.042660 °	
				-121.317222 °	-121.317222 °	
DWR ID	23734					
Comment Code						
Inspector Comment						
DS_ID:23734						
FS_ID:38510						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.4 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway across berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 3.73)].						
FS Date: 5/22/2014						

Photo 1 of 3 : UCIP_FA_2019_38510_70478.jpg



Headwall at LS toe.

LM Start	3.65	Rating **	A/W	Issue No.	1127 (cont)
LM End	3.65	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38510_70477.jpg



Headwall and flapgate at WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.042660 °	38.042660 °	
				-121.317222 °	-121.317222 °	
DWR ID	23734					
Comment Code						
Inspector Comment						
DS_ID:23734						
FS_ID:38510						
EP_NO: 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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.042625 °		38.042625 °
				-121.316274 °		-121.316274 °
DWR ID	23808					
Comment Code						
Inspector Comment						
DS_ID:23808 FS_ID:38507 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_2019_38507_70468.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.042625 °		38.042625 °
				-121.316274 °		-121.316274 °
DWR ID	23808					
Comment Code						
Inspector Comment						
DS_ID:23808 FS_ID:38507 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						

LM Start	3.71	Rating **	A/W	Issue No.	1129 (cont)
LM End	3.71	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38507_70467.jpg



Slide gate in 72-inch concrete standpipe on WS shoulder. Headwall and flapgate visible in background on WS slope.

Photo 3 of 3 : UCIP_FA_2019_38507_70466.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

LM Start	4.07	Rating **	M	Issue No.	166
LM End	4.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.042487°	38.042429°
				-121.309670°	-121.304633°
DWR ID	DWR_NA0017_08_f_2019_166				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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	DRAFT DWR UCIP LMA Responsibility			38.042748 °	38.042748 °
				-121.300834 °	-121.300834 °
DWR ID	23736				
Comment Code					
Inspector Comment					
DS_ID:23736 FS_ID:38477 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal storm drainage pipe through the levee, 9 feet below the crown. Concrete U-shaped shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 4.65) and 612 (addendum), February 1999, (HLM 4.82) (Station 254+24)]. FS Date: 5/22/2014					

Photo 1 of 3 : UCIP_FA_2019_38477_70362.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.042748 °	38.042748 °	
				-121.300834 °	-121.300834 °	
DWR ID	23736					
Comment Code						
Inspector Comment						
DS_ID:23736						
FS_ID:38477						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 36-inch corrugated metal storm drainage pipe through the levee, 9 feet below the crown. Concrete U-shaped shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 4.65) and 612 (addendum), February 1999, (HLM 4.82) (Station 254+24)].						
FS Date: 5/22/2014						

Photo 2 of 3 : UCIP_FA_2019_38477_70361.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	4.55	Rating **	A/W	Issue No.	1132 (cont)
LM End	4.55	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38477_70360.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

LM Start	4.75	Rating **	U	Issue No.	140
LM End	4.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.043865 °	38.043865 °
				-121.297660 °	-121.297660 °
DWR ID	DWR_NA0017_08_s_2019_140				
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_2019_NA0017_152_140_20191117_00316.jpg



View of large rodent hole on landside slope. Fall 2019

LM Start	4.75	Rating **	U	Issue No.	140 (cont)
LM End	4.75	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_NA0017_152_140_20191117_00317.jpg



view of large rodent hole on landside slope. Fall 2019

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.050122°	38.050122°	
				-121.286318°	-121.286318°	
DWR ID	23709					
Comment Code						
Inspector Comment						
DS_ID:23709						
FS_ID:38444						
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_2019_38444_70291.jpg



Headwall on LS toe.

LM Start	5.56	Rating **	A/W	Issue No.	1134 (cont)
LM End	5.56	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38444_70290.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.050122°	38.050122°	
				-121.286318°	-121.286318°	
DWR ID	23709					
Comment Code						
Inspector Comment						
DS_ID:23709 FS_ID:38444 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 6.9 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 5.69) and 612 (addendum), February 1999, (HLM 5.82) (Station 307+37)]. FS Date: 5/22/2014						

Photo 3 of 3 : UCIP_FA_2019_38444_70289.jpg



Headwall on LS toe.

LM Start	6.10	Rating **	A/W	Issue No.	1136
LM End	6.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.052226 °	38.052226 °
				-121.277229 °	-121.277229 °
DWR ID	23711				
Comment Code					
Inspector Comment					
DS_ID:23711					
FS_ID:38427					
EP_NO: 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_2019_38427_70280.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.052226°	38.052226°	
				-121.277229°	-121.277229°	
DWR ID	23711					
Comment Code						
Inspector Comment						
DS_ID:23711						
FS_ID:38427						
EP_NO: 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	6.10	Rating **	A/W	Issue No.	1136 (cont)
LM End	6.10	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38427_70279.jpg



Headwall, flapgate, and grouted spillway on WS toe.

Photo 3 of 3 : UCIP_FA_2019_38427_70278.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.052247 °	38.052247 °	
				-121.275311 °	-121.275311 °	
DWR ID	23713					
Comment Code						
Inspector Comment						
DS_ID:23713 FS_ID:38373 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_2019_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_2019_38373_70037.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.052247 °	38.052247 °	
				-121.275311 °	-121.275311 °	
DWR ID	23713					
Comment Code						
Inspector Comment						
DS_ID:23713						
FS_ID:38373						
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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.053016 °		38.053016 °
				-121.271705 °		-121.271705 °
DWR ID	23714					
Comment Code						
Inspector Comment						
DS_ID:23714						
FS_ID:38368						
EP_NO: 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_2019_38368_70029.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.053016 °	38.053016 °	
				-121.271705 °	-121.271705 °	
DWR ID	23714					
Comment Code						
Inspector Comment						
DS_ID:23714 FS_ID:38368 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Grouted intake on the landside (LS). Cobble grouted spillway across the berm. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.1, June 1965, (HLM 6.56)]. FS Date: 5/22/2014						

Photo 2 of 3 : UCIP_FA_2019_38368_70028.jpg



Headwall, flapgate, and grouted spillway on WS toe.

LM Start	6.41	Rating **	A/W	Issue No.	1139 (cont)
LM End	6.41	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38368_70027.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.053277 °	38.053277 °
				-121.268962 °	-121.268962 °
DWR ID	23715				
Comment Code					
Inspector Comment					
DS_ID:23715					
FS_ID:38367					
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_2019_38367_70024.jpg



Headwall on LS toe.

LM Start	6.56	Rating **	A/W	Issue No.	1140 (cont)
LM End	6.56	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38367_70023.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

Headwall on LS toe.

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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.053742 °	38.053742 °	
				-121.267864 °	-121.267864 °	
DWR ID	23716					
Comment Code						
Inspector Comment						
DS_ID:23716						
FS_ID:38365						
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						

LM Start	6.63	Rating **	A/W	Issue No.	1141 (cont)
LM End	6.63	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38365_70018.jpg



Headwall, flapgate, and grouted spillway on WS toe.

Photo 3 of 3 : UCIP_FA_2019_38365_70017.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.053941 °		38.053941 °
				-121.266415 °		-121.266415 °
DWR ID	23718					
Comment Code						
Inspector Comment						
DS_ID:23718						
FS_ID:38363						
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_2019_38363_70010.jpg



Headwall on LS toe.

LM Start	6.71	Rating **	A/W	Issue No.	1142 (cont)
LM End	6.71	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38363_70009.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.053941 °	38.053941 °	
				-121.266415 °	-121.266415 °	
DWR ID	23718					
Comment Code						
Inspector Comment						
DS_ID:23718						
FS_ID:38363						
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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.054509 °		38.054509 °
				-121.264312 °		-121.264312 °
DWR ID	23719					
Comment Code						
Inspector Comment						
DS_ID:23719						
FS_ID:38361						
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_2019_38361_70005.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.054509 °	38.054509 °	
				-121.264312 °	-121.264312 °	
DWR ID	23719					
Comment Code						
Inspector Comment						
DS_ID:23719 FS_ID:38361 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_2019_38361_70004.jpg



Headwall, flapgate, and grouted spillway on WS toe.

LM Start	6.83	Rating **	A/W	Issue No.	1143 (cont)
LM End	6.83	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38361_70003.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.054515 °		38.054515 °
				-121.264301 °		-121.264301 °
DWR ID	23812					
Comment Code						
Inspector Comment						
DS_ID:23812 FS_ID:38360 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_2019_38360_70000.jpg



Headwall at LS toe.

LM Start	6.83	Rating **	A/W	Issue No.	1144 (cont)
LM End	6.83	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38360_69999.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.054515 °	38.054515 °	
				-121.264301 °	-121.264301 °	
DWR ID	23812					
Comment Code						
Inspector Comment						
DS_ID:23812 FS_ID:38360 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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.055056 °		38.055056 °
				-121.263397 °		-121.263397 °
DWR ID	23720					
Comment Code						
Inspector Comment						
DS_ID:23720						
FS_ID:38359						
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_2019_38359_69995.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.055056 °	38.055056 °	
				-121.263397 °	-121.263397 °	
DWR ID	23720					
Comment Code						
Inspector Comment						
DS_ID:23720						
FS_ID:38359						
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_2019_38359_69994.jpg



Headwall, flapgate, and grouted spillway on WS toe.

LM Start	6.90	Rating **	A/W	Issue No.	1145 (cont)
LM End	6.90	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38359_69993.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.057276 °		38.057276 °
				-121.261565 °		-121.261565 °
DWR ID	23721					
Comment Code						
Inspector Comment						
DS_ID:23721						
FS_ID:38358						
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_2019_38358_69990.jpg



Headwall on LS toe.

LM Start	7.08	Rating **	A/W	Issue No.	1146 (cont)
LM End	7.08	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38358_69989.jpg



Headwall and flapgate on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.057276 °	38.057276 °	
				-121.261565 °	-121.261565 °	
DWR ID	23721					
Comment Code						
Inspector Comment						
DS_ID:23721 FS_ID:38358 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_2019_38358_69988.jpg



Headwall on LS toe.

LM Start	7.12	Rating **	C	Issue No.	141
LM End	7.27	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.057873 °	38.059738 °
				-121.261508 °	-121.260283 °
DWR ID	DWR_NA0017_08_f_2019_141				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
LMA has cleared all vegetation.					

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 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.061845 °	38.061845 °
				-121.257800 °	-121.257800 °
DWR ID	23743				
Comment Code					
Inspector Comment					
DS_ID:23743					
FS_ID:41809					
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_2019_41809_69980.jpg



Concrete headwall on LS toe.

LM Start	7.47	Rating **	M	Issue No.	1149 (cont)
LM End	7.47	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_41809_69979.jpg



Concrete headwall and flapgate at WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.061845 °		38.061845 °
				-121.257800 °		-121.257800 °
DWR ID	23743					
Comment Code						
Inspector Comment						
DS_ID:23743						
FS_ID:41809						
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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.064918 °		38.064918 °
				-121.249540 °		-121.249540 °
DWR ID	23744					
Comment Code						
Inspector Comment						
DS_ID:23744						
FS_ID:38352						
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_2019_38352_69974.jpg



Slide gate in CMP riser on WS slope. Lid missing/damaged.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.064918 °		38.064918 °
				-121.249540 °		-121.249540 °
DWR ID	23744					
Comment Code						
Inspector Comment						
DS_ID:23744						
FS_ID:38352						
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_2019_38352_69973.jpg



Headwall at drainage channel on LS toe.

LM Start	7.99	Rating **	M	Issue No.	1150 (cont)
LM End	7.99	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38352_69972.jpg



Headwall at drainage channel on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.064927 °	38.064927 °	
				-121.249520 °	-121.249520 °	
DWR ID	23820					
Comment Code						
Inspector Comment						
DS_ID:23820						
FS_ID:38351						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Lid damaged/missing on 48-inch CMP riser on WS slope.						
FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal storm drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in corrugated metal riser units on the WS slope. Concrete U-shaped headwalls on both ends. Cobble grouted spillway on the channel bank. Cobble grouted apron in ditch on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 8.18) and 612 (addendum), February 1999, (HLM 8.21) (Station 433+70)].						
FS Date: 5/21/2014						

LM Start	7.99	Rating **	M	Issue No.	1151 (cont)
LM End	7.99	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_38351_69968.jpg



Slide gate in 48-inch CMP riser on WS slope. Note the missing lid material.

Photo 2 of 3 : UCIP_FA_2019_38351_69967.jpg



Headwall on LS toe at drainage channel.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.064927 °	38.064927 °
				-121.249520 °	-121.249520 °
DWR ID	23820				
Comment Code					
Inspector Comment					
DS_ID:23820 FS_ID:38351 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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.066308 °	38.066308 °
				-121.247180 °	-121.247180 °
DWR ID	23745				
Comment Code					
Inspector Comment					
DS_ID:23745					
FS_ID:38350					
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_2019_38350_69963.jpg



Headwall and grouted apron on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.066308 °	38.066308 °	
				-121.247180 °	-121.247180 °	
DWR ID	23745					
Comment Code						
Inspector Comment						
DS_ID:23745 FS_ID:38350 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						

LM Start	8.15	Rating **	A/W	Issue No.	1152 (cont)
LM End	8.15	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38350_69962.jpg



Headwall, flapgate, and grouted spillway on WS toe.

Photo 3 of 3 : UCIP_FA_2019_38350_69961.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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					
There is concrete debris on the waterside slope.					

Photo 1 of 1 : FA_2019_NA0017_152_126_20190830_00019.jpg



View of concrete debris on the waterside of the levee. Fall 2016.

LM Start	8.81	Rating **	M	Issue No.	164
LM End	8.81	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.067052 °	38.067052 °
				-121.235112 °	-121.235112 °
DWR ID	DWR_NA0017_08_f_2019_164				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

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

** Rating
A : Acceptable 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 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.069651 °	38.069651 °
				-121.227000 °	-121.227000 °
DWR ID	23722				
Comment Code					
Inspector Comment					
DS_ID:23722					
FS_ID:38346					
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_2019_38346_69954.jpg



Headwall at LS toe.

LM Start	9.30	Rating **	A/W	Issue No.	1154 (cont)
LM End	9.30	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38346_69953.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.069651 °	38.069651 °	
				-121.227000 °	-121.227000 °	
DWR ID	23722					
Comment Code						
Inspector Comment						
DS_ID:23722						
FS_ID:38346						
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 3 of 3 : UCIP_FA_2019_38346_69952.jpg



Headwall at LS toe.

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	DRAFT DWR UCIP LMA Responsibility			38.069815 °		38.069815 °
				-121.222720 °		-121.222720 °
DWR ID	23726					
Comment Code						
Inspector Comment						
DS_ID:23726						
FS_ID:38241						
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 1 of 3 : UCIP_FA_2019_38241_69739.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.069815 °	38.069815 °	
				-121.222720 °	-121.222720 °	
DWR ID	23726					
Comment Code						
Inspector Comment						
DS_ID:23726 FS_ID:38241 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 9.85) and 612 (addendum), February 1999, (HLM 9.76) (Station 515+23)]. FS Date: 5/21/2014						

Photo 2 of 3 : UCIP_FA_2019_38241_69738.jpg



Headwall at LS toe.

LM Start	9.53	Rating **	A/W	Issue No.	1157 (cont)
LM End	9.53	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38241_69737.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.070510 °	38.070510 °	
				-121.218520 °	-121.218520 °	
DWR ID	23727					
Comment Code						
Inspector Comment						
DS_ID:23727 FS_ID:38239 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_2019_38239_69728.jpg



Headwall at LS toe.

LM Start	9.78	Rating **	M	Issue No.	1158 (cont)
LM End	9.78	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38239_69727.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Headwall on LS toe.

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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.073660 °	38.073660 °
				-121.212010 °	-121.212010 °
DWR ID	23728				
Comment Code					
Inspector Comment					
DS_ID:23728 FS_ID:38232 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 2 of 3 : UCIP_FA_2019_38232_69705.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	10.21	Rating **	A/W	Issue No.	1159 (cont)
LM End	10.21	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38232_69704.jpg



Headwall and flapgate on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.073725 °		38.073725 °
				-121.211715 °		-121.211715 °
DWR ID	23729					
Comment Code						
Inspector Comment						
DS_ID:23729 FS_ID:41808 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some sediment buildup in pipe at LS toe. FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 10.48) and 612 (addendum), February 1999, (HLM 10.46) (Station 552+17)]. FS Date: 5/21/2014						

LM Start	10.23	Rating **	M	Issue No.	1160 (cont)
LM End	10.23	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_41808_69701.jpg



Headwall at LS toe.

Photo 2 of 3 : UCIP_FA_2019_41808_69700.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.073725 °	38.073725 °	
				-121.211715 °	-121.211715 °	
DWR ID	23729					
Comment Code						
Inspector Comment						
DS_ID:23729 FS_ID:41808 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 3 of 3 : UCIP_FA_2019_41808_69703.jpg



Headwall at LS toe.

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	DRAFT DWR UCIP LMA Responsibility			38.075750 °	38.075750 °
				-121.208184 °	-121.208184 °
DWR ID	23748				
Comment Code					
Inspector Comment					
DS_ID:23748					
FS_ID:38229					
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_2019_38229_69693.jpg



Headwall with two PVC discharge pipes at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.075750 °		38.075750 °
				-121.208184 °		-121.208184 °
DWR ID	23748					
Comment Code						
Inspector Comment						
DS_ID:23748 FS_ID:38229 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 2 of 3 : UCIP_FA_2019_38229_69692.jpg



Headwall with two PVC discharge pipes at LS toe.

LM Start	10.43	Rating **	A/W	Issue No.	1161 (cont)
LM End	10.43	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38229_69691.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

LM Start	10.48	Rating **	M	Issue No.	160
LM End	10.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.076363 °	38.076363 °
				-121.208009 °	-121.208009 °
DWR ID	DWR_NA0017_08_f_2019_160				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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	DRAFT DWR UCIP LMA Responsibility			38.078140 °		38.078140 °
				-121.205820 °		-121.205820 °
DWR ID	23749					
Comment Code						
Inspector Comment						
DS_ID:23749						
FS_ID:41810						
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_2019_41810_69684.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.078140 °	38.078140 °	
				-121.205820 °	-121.205820 °	
DWR ID	23749					
Comment Code						
Inspector Comment						
DS_ID:23749 FS_ID:41810 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_2019_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_2019_41810_69682.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.079910 °	38.079910 °	
				-121.200413 °	-121.200413 °	
DWR ID	23750					
Comment Code						
Inspector Comment						
DS_ID:23750 FS_ID:38224 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 11.32) and 612 (addendum), February 1999, (HLM 11.28) (Station 595+39)]. FS Date: 5/21/2014						

LM Start	10.99	Rating **	A/W	Issue No.	1163 (cont)
LM End	10.99	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_38224_69667.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP_FA_2019_38224_69666.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.079910 °		38.079910 °
				-121.200413 °		-121.200413 °
DWR ID	23750					
Comment Code						
Inspector Comment						
DS_ID:23750 FS_ID:38224 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_2019_38224_69665.jpg



Headwall at LS toe.

LM Start	10.99	Rating **	C	Issue No.	143
LM End	11.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.079959 °	38.081155 °
				-121.200374 °	-121.199109 °
DWR ID	DWR_NA0017_08_s_2019_143				
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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

LM Start	10.99	Rating **	C	Issue No.	144
LM End	11.10	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.079973 °	38.081157 °
				-121.200361 °	-121.199110 °
DWR ID	DWR_NA0017_08_s_2019_144				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

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	DRAFT DWR UCIP LMA Responsibility			38.080429 °		38.080429 °
				-121.199885 °		-121.199885 °
DWR ID	23751					
Comment Code						
Inspector Comment						
DS_ID:23751 FS_ID:38223 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_2019_38223_69662.jpg



Headwall and grouted intake on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.080429 °	38.080429 °	
				-121.199885 °	-121.199885 °	
DWR ID	23751					
Comment Code						
Inspector Comment						
DS_ID:23751 FS_ID:38223 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_2019_38223_69661.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	11.03	Rating **	A/W	Issue No.	1164 (cont)
LM End	11.03	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38223_69660.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

LM Start	11.14	Rating **	M	Issue No.	146
LM End	11.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.081616 °	38.081616 °
				-121.198650 °	-121.198650 °
DWR ID	DWR_NA0017_08_s_2019_146				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	11.20	Rating **	M	Issue No.	148
LM End	11.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.082320°	38.082320°
				-121.197916°	-121.197916°
DWR ID	DWR_NA0017_08_f_2019_148				
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 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.082765 °	38.082765 °	
				-121.197352 °	-121.197352 °	
DWR ID	23752					
Comment Code						
Inspector Comment						
DS_ID:23752						
FS_ID:38221						
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_2019_38221_69659.jpg



Headwall at LS toe with grouted inlet.

LM Start	11.24	Rating **	A/W	Issue No.	1165 (cont)
LM End	11.24	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38221_69658.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.082765 °		38.082765 °
				-121.197352 °		-121.197352 °
DWR ID	23752					
Comment Code						
Inspector Comment						
DS_ID:23752						
FS_ID:38221						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 11.59) and 612 (addendum), February 1999, (HLM 11.60) (Station 612+48)].						
FS Date: 5/21/2014						

Photo 3 of 3 : UCIP_FA_2019_38221_69657.jpg



Headwall and flapgate on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.083428 °	38.083428 °	
				-121.196474 °	-121.196474 °	
DWR ID	23753					
Comment Code						
Inspector Comment						
DS_ID:23753 FS_ID:51700 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_2019_51700_69653.jpg



Headwall at LS toe.

Photo 2 of 3 : UCIP_FA_2019_51700_69652.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.083428 °	38.083428 °	
				-121.196474 °	-121.196474 °	
DWR ID	23753					
Comment Code						
Inspector Comment						
DS_ID:23753 FS_ID:51700 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_2019_51700_69651.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.086137°	38.086137°	
				-121.190458°	-121.190458°	
DWR ID	23754					
Comment Code						
Inspector Comment						
DS_ID:23754 FS_ID:51701 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 1 of 3 : UCIP_FA_2019_51701_69648.jpg



Headwall at LS toe. 4-inch PVC backwash from filter plant discharges at headwall.

LM Start	11.70	Rating **	A/W	Issue No.	1167 (cont)
LM End	11.70	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_51701_69647.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.086137°	38.086137°	
				-121.190458°	-121.190458°	
DWR ID	23754					
Comment Code						
Inspector Comment						
DS_ID:23754 FS_ID:51701 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_2019_51701_69646.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.087303 °		38.087303 °
				-121.188608 °		-121.188608 °
DWR ID	23756					
Comment Code						
Inspector Comment						
DS_ID:23756						
FS_ID:38216						
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_2019_38216_69639.jpg



Headwall on LS toe.

LM Start	11.84	Rating **	M	Issue No.	1169 (cont)
LM End	11.84	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38216_69638.jpg



Slide gate in CMP riser on WS slope missing cover.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.087303 °		38.087303 °
				-121.188608 °		-121.188608 °
DWR ID	23756					
Comment Code						
Inspector Comment						
DS_ID:23756						
FS_ID:38216						
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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.087319 °		38.087319 °
				-121.188596 °		-121.188596 °
DWR ID	23818					
Comment Code						
Inspector Comment						
DS_ID:23818						
FS_ID:38214						
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_2019_38214_69625.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.087319 °		38.087319 °
				-121.188596 °		-121.188596 °
DWR ID	23818					
Comment Code						
Inspector Comment						
DS_ID:23818						
FS_ID:38214						
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_2019_38214_69624.jpg



Slidegate on WS shoulder.

LM Start	11.84	Rating **	M	Issue No.	1170 (cont)
LM End	11.84	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38214_69623.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.089088 °	38.089088 °
				-121.185187 °	-121.185187 °
DWR ID	23757				
Comment Code					
Inspector Comment					
DS_ID:23757					
FS_ID:41811					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some sediment buildup in pipe at inlet.					
FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across the berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.43) and 612 (addendum), February 1999, (HLM 12.36) (Station 652+74)].					
FS Date: 5/21/2014					

LM Start	12.07	Rating **	M	Issue No.	1171 (cont)
LM End	12.07	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_41811_69621.jpg



Headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2019_41811_69620.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.089088 °	38.089088 °	
				-121.185187 °	-121.185187 °	
DWR ID	23757					
Comment Code						
Inspector Comment						
DS_ID:23757 FS_ID:41811 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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.091770 °		38.091770 °
				-121.181070 °		-121.181070 °
DWR ID	23761					
Comment Code						
Inspector Comment						
DS_ID:23761						
FS_ID:38210						
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_2019_38210_69610.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.091770 °	38.091770 °	
				-121.181070 °	-121.181070 °	
DWR ID	23761					
Comment Code						
Inspector Comment						
DS_ID:23761 FS_ID:38210 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal storm drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Cobble grouted spillway across berm. Cobble grouted apron on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 12.78) and 612 (addendum), February 1999, (HLM 12.70) (Station 670+43)]. FS Date: 5/21/2014						

Photo 2 of 3 : UCIP_FA_2019_38210_69609.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	12.41	Rating **	A/W	Issue No.	1173 (cont)
LM End	12.41	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38210_69608.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.092130 °		38.092130 °
				-121.178163 °		-121.178163 °
DWR ID	23764					
Comment Code						
Inspector Comment						
DS_ID:23764 FS_ID:38206 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 1 of 3 : UCIP_FA_2019_38206_69602.jpg



Headwall at LS toe next to irrigation structure.

LM Start	12.57	Rating **	A/W	Issue No.	1176 (cont)
LM End	12.57	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38206_69601.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.092130 °	38.092130 °	
				-121.178163 °	-121.178163 °	
DWR ID	23764					
Comment Code						
Inspector Comment						
DS_ID:23764						
FS_ID:38206						
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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.092598 °	38.092598 °
				-121.177228 °	-121.177228 °
DWR ID	23765				
Comment Code					
Inspector Comment					
DS_ID:23765					
FS_ID:38205					
EP_NO: 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_2019_38205_69591.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.092598 °		38.092598 °
				-121.177228 °		-121.177228 °
DWR ID	23765					
Comment Code						
Inspector Comment						
DS_ID:23765 FS_ID:38205 EP_NO: 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_2019_38205_69590.jpg



Headwall and Slidegate on LS toe.

LM Start	12.63	Rating **	A/W	Issue No.	1177 (cont)
LM End	12.63	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38205_69589.jpg



Headwall and Flapgate on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

LM Start	12.84	Rating **	M	Issue No.	133
LM End	12.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.096581°	38.096581°
				-121.175898°	-121.175898°
DWR ID	DWR_NA0017_08_s_2019_133				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings on landside toe.					

Photo 1 of 2 : FA_2019_NA0017_152_133_20191117_00311.jpg



View of prunings on landside slope. Fall 2019

LM Start	12.84	Rating **	M	Issue No.	133 (cont)
LM End	12.84	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_NA0017_152_133_20190830_00024.jpg



View of prunings on the landside toe of the levee.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.097279 °	38.097279 °
				-121.175854 °	-121.175854 °
DWR ID	23767				
Comment Code					
Inspector Comment					
DS_ID:23767					
FS_ID:38203					
EP_NO: 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_2019_38203_69582.jpg



Concrete headwall on LS toe.

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_2019_38203_69581.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.097279 °		38.097279 °
				-121.175854 °		-121.175854 °
DWR ID	23767					
Comment Code						
Inspector Comment						
DS_ID:23767						
FS_ID:38203						
EP_NO: 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 3 of 3 : UCIP_FA_2019_38203_69580.jpg



Concrete headwall on LS toe.

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	DRAFT DWR UCIP LMA Responsibility			38.098566 °		38.098566 °
				-121.175704 °		-121.175704 °
DWR ID	23768					
Comment Code						
Inspector Comment						
DS_ID:23768						
FS_ID:38144						
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 1 of 3 : UCIP_FA_2019_38144_69426.jpg



Slidegate in CMP riser on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.098566 °		38.098566 °
				-121.175704 °		-121.175704 °
DWR ID	23768					
Comment Code						
Inspector Comment						
DS_ID:23768 FS_ID:38144 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some debris buildup at inlet. No lid on CMP riser on WS slope. FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete U-shaped headwall on both ends. Slide gate in corrugated metal riser unit on the waterside (WS) slope. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 13.35)]. FS Date: 5/21/2014						

Photo 2 of 3 : UCIP_FA_2019_38144_69425.jpg



Headwall on LS toe. Note debris buildup.

LM Start	12.98	Rating **	M	Issue No.	1180 (cont)
LM End	12.98	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38144_69424.jpg



Headwall on LS toe. Note debris buildup.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.098582 °		38.098582 °
				-121.175703 °		-121.175703 °
DWR ID	23816					
Comment Code						
Inspector Comment						
DS_ID:23816						
FS_ID:38143						
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_2019_38143_69422.jpg



Slide gate in CMP riser on WS slope.

LM Start	12.98	Rating **	M	Issue No.	1181 (cont)
LM End	12.98	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38143_69421.jpg



Headwall on LS toe. Note debris buildup.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.098582 °		38.098582 °
				-121.175703 °		-121.175703 °
DWR ID	23816					
Comment Code						
Inspector Comment						
DS_ID:23816 FS_ID:38143 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some debris buildup at inlet and no lid on standpipe at WS shoulder. FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete U-shaped headwall on both ends. Slide gate in corrugated metal riser unit on the waterside (WS) slope. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 13.35)]. FS Date: 5/21/2014						

Photo 3 of 3 : UCIP_FA_2019_38143_69420.jpg



Headwall on LS toe. Note debris buildup.

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	DRAFT DWR UCIP LMA Responsibility			38.100544 °	38.100544 °
				-121.176536 °	-121.176536 °
DWR ID	23769				
Comment Code					
Inspector Comment					
DS_ID:23769					
FS_ID:38141					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 13.50)].					
FS Date: 5/21/2014					

Photo 1 of 3 : UCIP_FA_2019_38141_69418.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.100544 °	38.100544 °	
				-121.176536 °	-121.176536 °	
DWR ID	23769					
Comment Code						
Inspector Comment						
DS_ID:23769						
FS_ID:38141						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 13.50)].						
FS Date: 5/21/2014						

Photo 2 of 3 : UCIP_FA_2019_38141_69417.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	13.13	Rating **	A/W	Issue No.	1182 (cont)
LM End	13.13	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38141_69416.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.101804 °		38.101804 °
				-121.177156 °		-121.177156 °
DWR ID	23770					
Comment Code						
Inspector Comment						
DS_ID:23770 FS_ID:38140 EP_NO: 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_2019_38140_69413.jpg



Headwall on LS toe.

LM Start	13.23	Rating **	A/W	Issue No.	1184 (cont)
LM End	13.23	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38140_69412.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.101804 °	38.101804 °	
				-121.177156 °	-121.177156 °	
DWR ID	23770					
Comment Code						
Inspector Comment						
DS_ID:23770 FS_ID:38140 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 13.60)]. FS Date: 5/21/2014						

Photo 3 of 3 : UCIP_FA_2019_38140_69411.jpg



Headwall on LS toe.

LM Start	13.23	Rating **	C	Issue No.	149
LM End	13.72	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.101854 °	38.107824 °
				-121.177158 °	-121.173149 °
DWR ID	DWR_NA0017_08_s_2019_149				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Levee was crown resurfaced in 2019.					

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 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.104814 °	38.104814 °
				-121.176570 °	-121.176570 °
DWR ID	23771				
Comment Code					
Inspector Comment					
DS_ID:23771 FS_ID:38139 EP_NO: 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					

LM Start	13.44	Rating **	A/W	Issue No.	1185 (cont)
LM End	13.44	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_38139_69408.jpg



Headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2019_38139_69407.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.104814 °	38.104814 °	
				-121.176570 °	-121.176570 °	
DWR ID	23771					
Comment Code						
Inspector Comment						
DS_ID:23771 FS_ID:38139 EP_NO: 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_2019_38139_69406.jpg



Headwall on LS toe.

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	DRAFT DWR UCIP LMA Responsibility			38.108581 °		38.108581 °
				-121.172653 °		-121.172653 °
DWR ID	23773					
Comment Code						
Inspector Comment						
DS_ID:23773						
FS_ID:38137						
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_2019_38137_69401.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.108581 °		38.108581 °
				-121.172653 °		-121.172653 °
DWR ID	23773					
Comment Code						
Inspector Comment						
DS_ID:23773						
FS_ID:38137						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 14.16)].						
FS Date: 5/21/2014						

Photo 2 of 3 : UCIP_FA_2019_38137_69400.jpg



Headwall on LS toe.

LM Start	13.78	Rating **	A/W	Issue No.	1186 (cont)
LM End	13.78	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38137_69399.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.108594 °	38.108594 °
				-121.172640 °	-121.172640 °
DWR ID	23815				
Comment Code					
Inspector Comment					
DS_ID:23815					
FS_ID:38136					
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_2019_38136_69396.jpg



Headwall and flapgate on WS slope.

LM Start	13.78	Rating **	A/W	Issue No.	1187 (cont)
LM End	13.78	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38136_69395.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.108594 °	38.108594 °
				-121.172640 °	-121.172640 °
DWR ID	23815				
Comment Code					
Inspector Comment					
DS_ID:23815 FS_ID:38136 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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.111250 °		38.111250 °
				-121.172202 °		-121.172202 °
DWR ID	23775					
Comment Code						
Inspector Comment						
DS_ID:23775 FS_ID:38134 EP_NO: 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_2019_38134_69389.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.111250 °	38.111250 °	
				-121.172202 °	-121.172202 °	
DWR ID	23775					
Comment Code						
Inspector Comment						
DS_ID:23775						
FS_ID:38134						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 14.35)].						
FS Date: 5/21/2014						

LM Start	13.97	Rating **	A/W	Issue No.	1188 (cont)
LM End	13.97	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38134_69388.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP_FA_2019_38134_69387.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.112950°		38.112950°
				-121.171992°		-121.171992°
DWR ID	23776					
Comment Code						
Inspector Comment						
DS_ID:23776 FS_ID:38133 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some silt buildup inside pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 14.46)]. FS Date: 5/21/2014						

Photo 1 of 3 : UCIP_FA_2019_38133_69384.jpg



Headwall on LS toe.

LM Start	14.08	Rating **	M	Issue No.	1189 (cont)
LM End	14.08	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38133_69383.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.112950 °	38.112950 °	
				-121.171992 °	-121.171992 °	
DWR ID	23776					
Comment Code						
Inspector Comment						
DS_ID:23776 FS_ID:38133 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_2019_38133_69382.jpg



Headwall on LS toe.

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	DRAFT DWR UCIP LMA Responsibility			38.116164 °		38.116164 °
				-121.171657 °		-121.171657 °
DWR ID	23778					
Comment Code						
Inspector Comment						
DS_ID:23778						
FS_ID:38130						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Some silt buildup inside pipe.						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe						
on both ends. Flap gate on the waterside (WS) end. Concrete U-shaped headwall						
spillway. Cobble grouted intake on the landside (LS). [Additional						
Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M						
Manual 612.2, 1967, (HLM 14.69)].						
FS Date: 5/21/2014						

Photo 1 of 3 : UCIP_FA_2019_38130_69375.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.116164 °	38.116164 °	
				-121.171657 °	-121.171657 °	
DWR ID	23778					
Comment Code						
Inspector Comment						
DS_ID:23778 FS_ID:38130 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 2 of 3 : UCIP_FA_2019_38130_69374.jpg



Headwall on LS toe.

LM Start	14.31	Rating **	M	Issue No.	1190 (cont)
LM End	14.31	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38130_69373.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

LM Start	14.31	Rating **	C	Issue No.	150
LM End	14.31	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.116226 °	38.116226 °
				-121.171659 °	-121.171659 °
DWR ID	DWR_NA0017_08_s_2019_150				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

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	DRAFT DWR UCIP LMA Responsibility			38.116420 °	38.116420 °	
				-121.171643 °	-121.171643 °	
DWR ID	23779					
Comment Code						
Inspector Comment						
DS_ID:23779						
FS_ID:38129						
EP_NO: 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_2019_38129_69370.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.116420 °	38.116420 °	
				-121.171643 °	-121.171643 °	
DWR ID	23779					
Comment Code						
Inspector Comment						
DS_ID:23779						
FS_ID:38129						
EP_NO: 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 2 of 3 : UCIP_FA_2019_38129_69369.jpg



Headwall and flapgate on WS toe.

LM Start	14.32	Rating **	A/W	Issue No.	1192 (cont)
LM End	14.32	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38129_69368.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

LM Start	14.34	Rating **	C	Issue No.	151
LM End	14.44	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.116594 °	38.118080 °
				-121.171648 °	-121.171168 °
DWR ID	DWR_NA0017_08_s _ 2019_151				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	14.67	Rating **	C	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					
There is a large rodent hole on the waterside shoulder.					

No Photos

LM Start	14.67	Rating **	M	Issue No.	152	
LM End	14.67	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			38.121103 °	38.121103 °	
				-121.169363 °	-121.169363 °	
DWR ID	NA0017U08RM21.46					
Comment Code						
Inspector Comment						
Site ID: NA0017U08RM21.46						
08/01/2019: Erosion likely has been caused by rainfall runoff.						

Photo 1 of 2 : SJR2019_DWR_NA0017_08_f _ 2018_134_1.JPG



Looking at the erosion from the right bank..

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

LM Start	14.67	Rating **	M	Issue No.	152 (cont)	
LM End	14.67	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			38.121103 °	38.121103 °	
				-121.169363 °	-121.169363 °	
DWR ID	NA0017U08RM21.46					
Comment Code						
Inspector Comment						
Site ID: NA0017U08RM21.46						
08/01/2019: Erosion likely has been caused by rainfall runoff.						

Photo 2 of 2 : SJR2019_DWR_NA0017_08_f_2018_134_3.JPG



Close view of the erosion.

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					
There is erosion on the waterside slope.					

Photo 1 of 1 : FA_2019_NA0017_152_134_20190830_00025.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 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 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.121425°	38.121425°	
				-121.169179°	-121.169179°	
DWR ID	23780					
Comment Code						
Inspector Comment						
DS_ID:23780						
FS_ID:38127						
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						

LM Start	14.70	Rating **	A/W	Issue No.	1193 (cont)
LM End	14.70	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_38127_69362.jpg



Pipe at LS toe.

Photo 2 of 3 : UCIP_FA_2019_38127_69361.jpg



Pipe, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.121425°	38.121425°	
				-121.169179°	-121.169179°	
DWR ID	23780					
Comment Code						
Inspector Comment						
DS_ID:23780						
FS_ID:38127						
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_2019_38127_69360.jpg



Pipe, flapgate, and grouted spillway on WS slope.

LM Start	14.75	Rating **	M	Issue No.	173
LM End	14.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.122277 °	38.122277 °
				-121.169031 °	-121.169031 °
DWR ID	NA0017U08RM21.52				
Comment Code					
Inspector Comment					
Site ID: NA0017U08RM21.52					
08/01/2019: Erosion is at the bank toe, caused by river flow.					

Photo 1 of 3 : SJR2019_DWR_NA0017_08_f_2015_57_1.JPG



Looking at the erosion from the right 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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

LM Start	14.75	Rating **	M	Issue No.	173 (cont)	
LM End	14.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			38.122277 °	38.122277 °	
				-121.169031 °	-121.169031 °	
DWR ID	NA0017U08RM21.52					
Comment Code						
Inspector Comment						
Site ID: NA0017U08RM21.52						
08/01/2019: Erosion is at the bank toe, caused by river flow.						

Photo 2 of 3 : SJR2019_DWR_NA0017_08_f_2015_57_2.JPG



Close view of the erosion.

LM Start	14.75	Rating **	M	Issue No.	173 (cont)
LM End	14.76	Issue Type +	Ma	Location *	

Photo 3 of 3 : SJR2019_DWR_NA0017_08_f_2015_57_4.JPG



Close-up view of the erosion.

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					
There is waterside toe erosion at this location.					

Photo 1 of 1 : FA_2019_NA0017_152_57_20190830_00007.jpg



Erosion was found on the waterside toe of the levee. The picture was taken from the right bank 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 2019

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	10/28/2019 10/29/2019	Alberto De Leon

LM Start	14.85	Rating **	M	Issue No.	128
LM End	14.88	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.123566 °	38.124050 °
				-121.169190 °	-121.168980 °
DWR ID	DWR_NA0017_08_f_2019_128				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

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	DRAFT DWR UCIP LMA Responsibility			38.123628 °	38.123628 °
				-121.169175 °	-121.169175 °
DWR ID	23781				
Comment Code					
Inspector Comment					
DS_ID:23781					
FS_ID:38126					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted inlet on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 15.24)].					
FS Date: 5/20/2014					

Photo 1 of 3 : UCIP_FA_2019_38126_69357.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.123628 °		38.123628 °
				-121.169175 °		-121.169175 °
DWR ID	23781					
Comment Code						
Inspector Comment						
DS_ID:23781						
FS_ID:38126						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted inlet on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 15.24)].						
FS Date: 5/20/2014						

LM Start	14.85	Rating **	A/W	Issue No.	1194 (cont)
LM End	14.85	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38126_69356.jpg



Headwall, flapgate, and grouted spillway on WS toe.

Photo 3 of 3 : UCIP_FA_2019_38126_69355.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

LM Start	14.94	Rating **	M	Issue No.	153
LM End	14.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.124703 °	38.124703 °
				-121.168414 °	-121.168414 °
DWR ID	DWR_NA0017_08_s _ 2019_153				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	14.98	Rating **	M	Issue No.	154
LM End	14.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.125203 °	38.125203 °
				-121.167832 °	-121.167832 °
DWR ID	DWR_NA0017_08_s _ 2019_154				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	15.05	Rating **	M	Issue No.	155
LM End	15.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.125692 °	38.125692 °
				-121.166896 °	-121.166896 °
DWR ID	DWR_NA0017_08_s _ 2019_155				
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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.125741 °	38.125741 °
				-121.166840 °	-121.166840 °
DWR ID	23782				
Comment Code					
Inspector Comment					
DS_ID:23782					
FS_ID:38125					
EP_NO: 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					

LM Start	15.05	Rating **	A/W	Issue No.	1196 (cont)
LM End	15.05	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_38125_69352.jpg



Headwall at LS toe.

Photo 2 of 3 : UCIP_FA_2019_38125_69351.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.125741 °		38.125741 °
				-121.166840 °		-121.166840 °
DWR ID	23782					
Comment Code						
Inspector Comment						
DS_ID:23782						
FS_ID:38125						
EP_NO: 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_2019_38125_69350.jpg



Headwall and flapgate at WS toe.

LM Start	15.19	Rating **	M	Issue No.	156
LM End	15.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.126370 °	38.126370 °
				-121.164459 °	-121.164459 °
DWR ID	DWR_NA0017_08_s_2019_156				
Comment Code					
T2 : 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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

LM Start	15.61	Rating **	C	Issue No.	136
LM End	15.61	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					
There is erosion from previous storms.					

No Photos

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	DRAFT DWR UCIP LMA Responsibility			38.129880 °	38.129880 °
				-121.158017 °	-121.158017 °
DWR ID	23784				
Comment Code					
Inspector Comment					
DS_ID:23784 FS_ID:38122 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 3 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 16.02)]. FS Date: 5/20/2014					

Photo 1 of 3 : UCIP_FA_2019_38122_69342.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.129880 °		38.129880 °
				-121.158017 °		-121.158017 °
DWR ID	23784					
Comment Code						
Inspector Comment						
DS_ID:23784 FS_ID:38122 EP_NO: 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 2 of 3 : UCIP_FA_2019_38122_69341.jpg



Headwall on LS toe.

LM Start	15.62	Rating **	A/W	Issue No.	1204 (cont)
LM End	15.62	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38122_69340.jpg



Inside pipe at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.129962 °		38.129962 °
				-121.155657 °		-121.155657 °
DWR ID	23785					
Comment Code						
Inspector Comment						
DS_ID:23785						
FS_ID:38121						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 1.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 16.15)].						
FS Date: 5/20/2014						

LM Start	15.75	Rating **	A/W	Issue No.	1205 (cont)
LM End	15.75	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_38121_69337.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP_FA_2019_38121_69336.jpg



Headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.129962 °	38.129962 °	
				-121.155657 °	-121.155657 °	
DWR ID	23785					
Comment Code						
Inspector Comment						
DS_ID:23785						
FS_ID:38121						
EP_NO: 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 3 of 3 : UCIP_FA_2019_38121_69335.jpg



Headwall on LS toe.

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	DRAFT DWR UCIP LMA Responsibility			38.130425 °	38.130425 °
				-121.154574 °	-121.154574 °
DWR ID	23786				
Comment Code					
Inspector Comment					
DS_ID:23786 FS_ID:38120 EP_NO: 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_2019_38120_69333.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.130425 °		38.130425 °
				-121.154574 °		-121.154574 °
DWR ID	23786					
Comment Code						
Inspector Comment						
DS_ID:23786 FS_ID:38120 EP_NO: 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 2 of 3 : UCIP_FA_2019_38120_69332.jpg



Headwall and flapgate at WS toe.

LM Start	15.82	Rating **	A/W	Issue No.	1206 (cont)
LM End	15.82	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38120_69331.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

LM Start	15.83	Rating **	M	Issue No.	157
LM End	15.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.130449 °	38.130449 °
				-121.154492 °	-121.154492 °
DWR ID	DWR_NA0017_08_s_2019_157				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	15.85	Rating **	M	Issue No.	158
LM End	15.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.130678 °	38.130678 °
				-121.154249 °	-121.154249 °
DWR ID	DWR_NA0017_08_s_2019_158				
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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.131106°	38.131106°
				-121.153977°	-121.153977°
DWR ID	23787				
Comment Code					
Inspector Comment					
DS_ID:23787 FS_ID:38119 EP_NO: 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_2019_38119_69328.jpg



Concrete headwall on LS toe.

LM Start	15.88	Rating **	A/W	Issue No.	1207 (cont)
LM End	15.88	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38119_69327.jpg



Flapgate and headwall on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/28/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.131106 °		38.131106 °
				-121.153977 °		-121.153977 °
DWR ID	23787					
Comment Code						
Inspector Comment						
DS_ID:23787						
FS_ID:38119						
EP_NO: 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 3 of 3 : UCIP_FA_2019_38119_69326.jpg



Concrete headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.093870 °	38.093870 °
				-121.175159 °	-121.175159 °
DWR ID	23850				
Comment Code					
Inspector Comment					
DS_ID:23850 FS_ID:38975 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_2019_38975_71120.jpg



Pipe and headwall on LS toe.

LM Start	0.09	Rating **	A/W	Issue No.	18 (cont)
LM End	0.09	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38975_71119.jpg



Pipe, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.093870 °	38.093870 °	
				-121.175159 °	-121.175159 °	
DWR ID	23850					
Comment Code						
Inspector Comment						
DS_ID:23850 FS_ID:38975 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_2019_38975_71123.jpg



Inside pipe at LS toe.

LM Start	0.47	Rating **	M	Issue No.	17
LM End	0.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.094694 °	38.094694 °
				-121.168299 °	-121.168299 °
DWR ID	DWR_NA0017_09_f_2019_17				
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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.53	Rating **	M	Issue No.	13
LM End	0.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.094805 °	38.094805 °
				-121.167304 °	-121.167304 °
DWR ID	DWR_NA0017_09_f_2019_13				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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	DRAFT DWR UCIP LMA Responsibility			38.094855 °	38.094855 °
				-121.166867 °	-121.166867 °
DWR ID	23853				
Comment Code					
Inspector Comment					
DS_ID:23853 FS_ID:38973 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on both ends. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.56)]. FS Date: 6/19/2014					

Photo 1 of 3 : UCIP_FA_2019_38973_71110.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.094855 °		38.094855 °
				-121.166867 °		-121.166867 °
DWR ID	23853					
Comment Code						
Inspector Comment						
DS_ID:23853 FS_ID:38973 EP_NO: 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 2 of 3 : UCIP_FA_2019_38973_71109.jpg



Pipe and headwall on LS toe.

LM Start	0.55	Rating **	A/W	Issue No.	19 (cont)
LM End	0.55	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38973_71108.jpg



Inside pipe at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.095005°	38.095005°
				-121.165847°	-121.165847°
DWR ID	23839				
Comment Code					
Inspector Comment					
DS_ID:23839 FS_ID:38972 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	0.61	Rating **	A/W	Issue No.	20 (cont)
LM End	0.61	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_38972_71105.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2019_38972_71104.jpg



Pipe, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.095005 °	38.095005 °
				-121.165847 °	-121.165847 °
DWR ID	23839				
Comment Code					
Inspector Comment					
DS_ID:23839 FS_ID:38972 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Suction hose and appurtances appear to be abandoned. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). Pump with suction hose sleeved through storm drainage pipe located on the LS, removed during winter months. (Suction hose sleeved through pipe under Permit No. 11530, 1976 - Constantine M. Coppulos). [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.62) and 612 (addendum), February 1999, (HLM 0.61) (Station 32+46)]. FS Date: 6/19/2014					

Photo 3 of 3 : UCIP_FA_2019_38972_71103.jpg



Pipe and headwall on LS toe.

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	DRAFT DWR UCIP LMA Responsibility			38.094220 °	38.094220 °
				-121.161651 °	-121.161651 °
DWR ID	23840				
Comment Code					
Inspector Comment					
DS_ID:23840 FS_ID:38971 EP_NO: 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_2019_38971_71100.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.094220 °		38.094220 °
				-121.161651 °		-121.161651 °
DWR ID	23840					
Comment Code						
Inspector Comment						
DS_ID:23840 FS_ID:38971 EP_NO: 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						

LM Start	0.85	Rating **	A/W	Issue No.	21 (cont)
LM End	0.85	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38971_71099.jpg



Pipe, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP_FA_2019_38971_71098.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.094247 °	38.094247 °
				-121.160271 °	-121.160271 °
DWR ID	23841				
Comment Code					
Inspector Comment					
DS_ID:23841					
FS_ID:41812					
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					

LM Start	0.93	Rating **	M	Issue No.	22 (cont)
LM End	0.93	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_41812_71095.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2019_41812_71094.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.094247 °		38.094247 °
				-121.160271 °		-121.160271 °
DWR ID	23841					
Comment Code						
Inspector Comment						
DS_ID:23841						
FS_ID:41812						
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 3 of 3 : UCIP_FA_2019_41812_71093.jpg



Inside pipe at LS toe.

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	DRAFT DWR UCIP LMA Responsibility			38.094287 °	38.094287 °
				-121.158599 °	-121.158599 °
DWR ID	23842				
Comment Code					
Inspector Comment					
DS_ID:23842					
FS_ID:38969					
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_2019_38969_71090.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.094287 °	38.094287 °	
				-121.158599 °	-121.158599 °	
DWR ID	23842					
Comment Code						
Inspector Comment						
DS_ID:23842 FS_ID:38969 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 2 of 3 : UCIP_FA_2019_38969_71089.jpg



Pipe and headwall on LS toe.

LM Start	1.02	Rating **	A/W	Issue No.	23 (cont)
LM End	1.02	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38969_71088.jpg



Inside pipe at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.094318 °	38.094318 °
				-121.157487 °	-121.157487 °
DWR ID	23843				
Comment Code					
Inspector Comment					
DS_ID:23843 FS_ID:38968 EP_NO: 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_2019_38968_71085.jpg



Headwall at LS toe.

LM Start	1.08	Rating **	A/W	Issue No.	24 (cont)
LM End	1.08	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38968_71084.jpg



Pipe, flapgate, and grouted spillway on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.094318 °		38.094318 °
				-121.157487 °		-121.157487 °
DWR ID	23843					
Comment Code						
Inspector Comment						
DS_ID:23843 FS_ID:38968 EP_NO: 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 3 of 3 : UCIP_FA_2019_38968_71083.jpg



Headwall at LS toe.

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	DRAFT DWR UCIP LMA Responsibility			38.094356 °	38.094356 °
				-121.155924 °	-121.155924 °
DWR ID	23844				
Comment Code					
Inspector Comment					
DS_ID:23844 FS_ID:38967 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 12-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Headwall on the landside (LS) toe. Flap gate on the waterside (WS) end. Cobble grouted spillway. [Additional Reference(s): DWR Levee Log, 1987. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.18) and 612 (addendum), February 1999, (HLM 1.17) (Station 61+82)]. FS Date: 6/19/2014					

Photo 1 of 3 : UCIP_FA_2019_38967_71079.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.094356 °	38.094356 °	
				-121.155924 °	-121.155924 °	
DWR ID	23844					
Comment Code						
Inspector Comment						
DS_ID:23844 FS_ID:38967 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 2 of 3 : UCIP_FA_2019_38967_71078.jpg



Pipe and headwall on LS toe.

LM Start	1.16	Rating **	A/W	Issue No.	25 (cont)
LM End	1.16	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38967_71082.jpg



Inside pipe at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.094423 °	38.094423 °
				-121.154902 °	-121.154902 °
DWR ID	23845				
Comment Code					
Inspector Comment					
DS_ID:23845					
FS_ID:38997					
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					

LM Start	1.22	Rating **	A/W	Issue No.	26 (cont)
LM End	1.22	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_38997_71074.jpg



Headwall at LS toe.

Photo 2 of 3 : UCIP_FA_2019_38997_71073.jpg



Pipe, flapgate, and grouted spillway on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.094423°	38.094423°	
				-121.154902°	-121.154902°	
DWR ID	23845					
Comment Code						
Inspector Comment						
DS_ID:23845						
FS_ID:38997						
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 3 of 3 : UCIP_FA_2019_38997_71077.jpg



Headwall on LS toe.

LM Start	1.43	Rating **	A	Issue No.	14
LM End	1.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.094065 °	38.094065 °
				-121.151117 °	-121.151117 °
DWR ID	DWR_NA0017_09_f_2019_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation in this section is well maintained, Fall 2019.					

Photo 1 of 1 : FA_2019_NA0017_153_14_20191117_00036.jpg



Typical view of vegetation on landside slope. Fall 2019

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

** Rating
A : Acceptable
M : Minimally Acceptable
U : 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 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	1.43	Rating **	A	Issue No.	15
LM End	1.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.094065 °	38.094065 °
				-121.151117 °	-121.151117 °
DWR ID	DWR_NA0017_09_f_2019_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation in this section is well maintained, Fall 2019.					

Photo 1 of 1 : FA_2019_NA0017_153_15_20191117_00037.jpg



Typical view of vegetation on waterside slope. Fall 2019

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	DRAFT DWR UCIP LMA Responsibility			38.094073 °	38.094073 °
				-121.150947 °	-121.150947 °
DWR ID	23847				
Comment Code					
Inspector Comment					
DS_ID:23847					
FS_ID:38977					
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_2019_38977_71064.jpg



Concrete headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.094073 °	38.094073 °
				-121.150947 °	-121.150947 °
DWR ID	23847				
Comment Code					
Inspector Comment					
DS_ID:23847					
FS_ID:38977					
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 2 of 3 : UCIP_FA_2019_38977_71063.jpg



Pipe, flapgate, and grouted spillway on WS toe.

LM Start	1.44	Rating **	M	Issue No.	27 (cont)
LM End	1.44	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38977_71067.jpg



Inside pipe at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.094093 °	38.094093 °	
				-121.150703 °	-121.150703 °	
DWR ID	23848					
Comment Code						
Inspector Comment						
DS_ID:23848						
FS_ID:38963						
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_2019_38963_71061.jpg



Pipe and flapgate on WS slope.

LM Start	1.45	Rating **	A/W	Issue No.	28 (cont)
LM End	1.45	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38963_70883.jpg



Pipe visible on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.094093 °	38.094093 °	
				-121.150703 °	-121.150703 °	
DWR ID	23848					
Comment Code						
Inspector Comment						
DS_ID:23848 FS_ID:38963 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 3 of 3 : UCIP_FA_2019_38963_71060.jpg



Pipe visible on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.03	Rating **	A/W	Issue No.	17	
LM End	0.03	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.094170°		38.094170°
				-121.175555°		-121.175555°
DWR ID	23859					
Comment Code						
Inspector Comment						
DS_ID:23859						
FS_ID:38567						
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						

LM Start	0.03	Rating **	A/W	Issue No.	17 (cont)
LM End	0.03	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_38567_70661.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP_FA_2019_38567_70660.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.03	Rating **	A/W	Issue No.	17 (cont)	
LM End	0.03	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.094170 °		38.094170 °
				-121.175555 °		-121.175555 °
DWR ID	23859					
Comment Code						
Inspector Comment						
DS_ID:23859						
FS_ID:38567						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.03)].						
FS Date: 6/12/2014						

Photo 3 of 3 : UCIP_FA_2019_38567_70659.jpg



Headwall at LS toe.

LM Start	0.24	Rating **	A/W	Issue No.	18	
LM End	0.24	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.094879 °		38.094879 °
				-121.171734 °		-121.171734 °
DWR ID	23860					
Comment Code						
Inspector Comment						
DS_ID:23860 FS_ID:38568 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.24)]. FS Date: 6/12/2014						

Photo 1 of 3 : UCIP_FA_2019_38568_70666.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.24	Rating **	A/W	Issue No.	18 (cont)	
LM End	0.24	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.094879 °		38.094879 °
				-121.171734 °		-121.171734 °
DWR ID	23860					
Comment Code						
Inspector Comment						
DS_ID:23860 FS_ID:38568 EP_NO: 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 2 of 3 : UCIP_FA_2019_38568_70665.jpg



Headwall at LS toe.

LM Start	0.24	Rating **	A/W	Issue No.	18 (cont)
LM End	0.24	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38568_70664.jpg



Headwall and flapgate on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.36	Rating **	A/W	Issue No.	19
LM End	0.36	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.095035°	38.095035°
				-121.168334°	-121.168334°
DWR ID	23861				
Comment Code					
Inspector Comment					
DS_ID:23861 FS_ID:38994 EP_NO: 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 1 of 3 : UCIP_FA_2019_38994_71165.jpg



Pipe and headwall on LS toe.

LM Start	0.36	Rating **	A/W	Issue No.	19 (cont)
LM End	0.36	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38994_71164.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.36	Rating **	A/W	Issue No.	19 (cont)
LM End	0.36	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.095035°	38.095035°
				-121.168334°	-121.168334°
DWR ID	23861				
Comment Code					
Inspector Comment					
DS_ID:23861 FS_ID:38994 EP_NO: 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_2019_38994_71163.jpg



Inside pipe at LS toe.

LM Start	0.40	Rating **	M	Issue No.	14
LM End	0.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.095116°	38.095116°
				-121.167494°	-121.167494°
DWR ID	DWR_NA0017_10_f_2019_14				
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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.45	Rating **	A/W	Issue No.	20
LM End	0.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.095271 °	38.095271 °
				-121.166654 °	-121.166654 °
DWR ID	23863				
Comment Code					
Inspector Comment					
DS_ID:23863 FS_ID:38992 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.46)]. FS Date: 6/19/2014					

LM Start	0.45	Rating **	A/W	Issue No.	20 (cont)
LM End	0.45	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_38992_71158.jpg



Pipe and headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2019_38992_71157.jpg



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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.45	Rating **	A/W	Issue No.	20 (cont)
LM End	0.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.095271 °	38.095271 °
				-121.166654 °	-121.166654 °
DWR ID	23863				
Comment Code					
Inspector Comment					
DS_ID:23863 FS_ID:38992 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.46)]. FS Date: 6/19/2014					

Photo 3 of 3 : UCIP_FA_2019_38992_71156.jpg



Pipe and headwall on LS toe.

LM Start	0.48	Rating **	M	Issue No.	16
LM End	0.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.095320 °	38.095320 °
				-121.166098 °	-121.166098 °
DWR ID	DWR_NA0017_10_f_2019_16				
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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.57	Rating **	A/W	Issue No.	21	
LM End	0.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.094837 °		38.094837 °
				-121.164562 °		-121.164562 °
DWR ID	23864					
Comment Code						
Inspector Comment						
DS_ID:23864 FS_ID:38990 EP_NO: 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_2019_38990_71153.jpg



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

LM Start	0.57	Rating **	A/W	Issue No.	21 (cont)
LM End	0.57	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38990_71152.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.57	Rating **	A/W	Issue No.	21 (cont)	
LM End	0.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.094837 °		38.094837 °
				-121.164562 °		-121.164562 °
DWR ID	23864					
Comment Code						
Inspector Comment						
DS_ID:23864 FS_ID:38990 EP_NO: 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 3 of 3 : UCIP_FA_2019_38990_71151.jpg



Pipe and headwall on LS toe.

LM Start	0.59	Rating **	M	Issue No.	15
LM End	0.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.094690 °	38.094690 °
				-121.164339 °	-121.164339 °
DWR ID	DWR_NA0017_10_s_2019_15				
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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.86	Rating **	A/W	Issue No.	22	
LM End	0.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.094639 °	38.094639 °	
				-121.159426 °	-121.159426 °	
DWR ID	23865					
Comment Code						
Inspector Comment						
DS_ID:23865						
FS_ID:38989						
EP_NO: 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	0.86	Rating **	A/W	Issue No.	22 (cont)
LM End	0.86	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_38989_71148.jpg



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

Photo 2 of 3 : UCIP_FA_2019_38989_71147.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.86	Rating **	A/W	Issue No.	22 (cont)	
LM End	0.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.094639 °	38.094639 °	
				-121.159426 °	-121.159426 °	
DWR ID	23865					
Comment Code						
Inspector Comment						
DS_ID:23865 FS_ID:38989 EP_NO: 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_2019_38989_71146.jpg



Pipe and headwall on LS toe.

LM Start	1.08	Rating **	A/W	Issue No.	23	
LM End	1.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.094699 °		38.094699 °
				-121.155329 °		-121.155329 °
DWR ID	23866					
Comment Code						
Inspector Comment						
DS_ID:23866						
FS_ID:38988						
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 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_2019_38988_71144.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	1.08	Rating **	A/W	Issue No.	23 (cont)
LM End	1.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.094699 °	38.094699 °
				-121.155329 °	-121.155329 °
DWR ID	23866				
Comment Code					
Inspector Comment					
DS_ID:23866 FS_ID:38988 EP_NO: 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_2019_38988_71143.jpg



Pipe and headwall on LS toe.

LM Start	1.08	Rating **	A/W	Issue No.	23 (cont)
LM End	1.08	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38988_71142.jpg



Inside pipe at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	1.32	Rating **	A/W	Issue No.	24
LM End	1.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.094351 °	38.094351 °
				-121.150962 °	-121.150962 °
DWR ID	23867				
Comment Code					
Inspector Comment					
DS_ID:23867					
FS_ID:38987					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.33)].					
FS Date: 6/19/2014					

Photo 1 of 3 : UCIP_FA_2019_38987_71139.jpg



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

LM Start	1.32	Rating **	A/W	Issue No.	24 (cont)
LM End	1.32	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38987_71138.jpg



Pipe and headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	1.32	Rating **	A/W	Issue No.	24 (cont)	
LM End	1.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.094351 °		38.094351 °
				-121.150962 °		-121.150962 °
DWR ID	23867					
Comment Code						
Inspector Comment						
DS_ID:23867						
FS_ID:38987						
EP_NO: 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_2019_38987_71137.jpg



Pipe and headwall on LS toe.

LM Start	1.34	Rating **	A/W	Issue No.	25	
LM End	1.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.094311 °	38.094311 °	
				-121.150715 °	-121.150715 °	
DWR ID	23868					
Comment Code						
Inspector Comment						
DS_ID:23868 FS_ID:51721 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_2019_51721_71134.jpg



Pipe, flapgate, and grouted spillway on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	1.34	Rating **	A/W	Issue No.	25 (cont)	
LM End	1.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.094311 °		38.094311 °
				-121.150715 °		-121.150715 °
DWR ID	23868					
Comment Code						
Inspector Comment						
DS_ID:23868						
FS_ID:51721						
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_2019_51721_71133.jpg



Pipe on LS toe.

LM Start	1.34	Rating **	A/W	Issue No.	25 (cont)
LM End	1.34	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_51721_71132.jpg



Pipe on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

LM Start	0.11	Rating **	M	Issue No.	37
LM End	0.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.096406 °	38.096406 °
				-121.169296 °	-121.169296 °
DWR ID	DWR_NA0017_11_f_2019_37				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.16	Rating **	A/W	Issue No.	207
LM End	0.16	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.097164°	38.097164°
				-121.169289°	-121.169289°
DWR ID	23880				
Comment Code					
Inspector Comment					
DS_ID:23880					
FS_ID:38566					
EP_NO: 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 1 of 3 : UCIP_FA_2019_38566_70656.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.097164 °	38.097164 °	
				-121.169289 °	-121.169289 °	
DWR ID	23880					
Comment Code						
Inspector Comment						
DS_ID:23880 FS_ID:38566 EP_NO: 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 2 of 3 : UCIP_FA_2019_38566_70655.jpg



Headwall at LS toe.

LM Start	0.16	Rating **	A/W	Issue No.	207 (cont)
LM End	0.16	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38566_70654.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.101560 °	38.101560 °	
				-121.168634 °	-121.168634 °	
DWR ID	23881					
Comment Code						
Inspector Comment						
DS_ID:23881 FS_ID:38564 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	0.47	Rating **	M	Issue No.	208 (cont)
LM End	0.47	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_38564_70647.jpg



Headwall at LS toe.

Photo 2 of 3 : UCIP_FA_2019_38564_70646.jpg



Slide gate in 36-inch CMP riser on WS slope. slide gate does not function as handle is detached from mechanism.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.101560 °	38.101560 °	
				-121.168634 °	-121.168634 °	
DWR ID	23881					
Comment Code						
Inspector Comment						
DS_ID:23881 FS_ID:38564 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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.101930 °		38.101930 °
				-121.168424 °		-121.168424 °
DWR ID	23882					
Comment Code						
Inspector Comment						
DS_ID:23882 FS_ID:38565 EP_NO: 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_2019_38565_70651.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.101930 °		38.101930 °
				-121.168424 °		-121.168424 °
DWR ID	23882					
Comment Code						
Inspector Comment						
DS_ID:23882 FS_ID:38565 EP_NO: 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						

LM Start	0.50	Rating **	A/W	Issue No.	209 (cont)
LM End	0.50	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38565_70650.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP_FA_2019_38565_70649.jpg



Headwall and flapgate on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.102509 °		38.102509 °
				-121.167694 °		-121.167694 °
DWR ID	23883					
Comment Code						
Inspector Comment						
DS_ID:23883						
FS_ID:38561						
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						

LM Start	0.56	Rating **	M	Issue No.	210 (cont)
LM End	0.56	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_38561_70630.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP_FA_2019_38561_70629.jpg



Headwall at LS toe has been filled in with soil.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.102509 °		38.102509 °
				-121.167694 °		-121.167694 °
DWR ID	23883					
Comment Code						
Inspector Comment						
DS_ID:23883						
FS_ID:38561						
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_2019_38561_70628.jpg



Headwall at LS toe has been filled in with soil.

LM Start	0.84	Rating **	A	Issue No.	40
LM End	0.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.105961 °	38.105961 °
				-121.166270 °	-121.166270 °
DWR ID	DWR_NA0017_11_f_2019_40				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation in this section is well maintained, Fall 2019.					

Photo 1 of 1 : FA_2019_NA0017_155_40_20191117_00097.jpg



Typical view of vegetation on waterside slope. Fall 2019

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.109117 °		38.109117 °
				-121.165940 °		-121.165940 °
DWR ID	23885					
Comment Code						
Inspector Comment						
DS_ID:23885						
FS_ID:38559						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Slide gate on the landside (LS) end. Cobble grouted spillway. Cobble grouted intake on the LS. [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.07)].						
FS Date: 6/12/2014						

Photo 1 of 3 : UCIP_FA_2019_38559_70621.jpg



Headwall and slidegate on LS toe.

LM Start	1.06	Rating **	A/W	Issue No.	212 (cont)
LM End	1.06	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38559_70620.jpg



Headwall and slidegate on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.109117 °		38.109117 °
				-121.165940 °		-121.165940 °
DWR ID	23885					
Comment Code						
Inspector Comment						
DS_ID:23885						
FS_ID:38559						
EP_NO: 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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.109641 °	38.109641 °
				-121.164676 °	-121.164676 °
DWR ID	23870				
Comment Code					
Inspector Comment					
DS_ID:23870					
FS_ID:38558					
EP_NO: 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_2019_38558_70618.jpg



Headwall and slidegate on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.109641 °		38.109641 °
				-121.164676 °		-121.164676 °
DWR ID	23870					
Comment Code						
Inspector Comment						
DS_ID:23870						
FS_ID:38558						
EP_NO: 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_2019_38558_70617.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	1.14	Rating **	A/W	Issue No.	213 (cont)
LM End	1.14	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38558_70616.jpg



Headwall and slidegate on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.111824 °		38.111824 °
				-121.160037 °		-121.160037 °
DWR ID	23871					
Comment Code						
Inspector Comment						
DS_ID:23871 FS_ID:38557 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_2019_38557_70613.jpg



Headwall at LS toe.

LM Start	1.50	Rating **	M	Issue No.	214 (cont)
LM End	1.50	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38557_70612.jpg



Slidegate inside CMP riser on WS shoulder. Lid needs repair.

* 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 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.111824 °		38.111824 °
				-121.160037 °		-121.160037 °
DWR ID	23871					
Comment Code						
Inspector Comment						
DS_ID:23871						
FS_ID:38557						
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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.111830 °		38.111830 °
				-121.160019 °		-121.160019 °
DWR ID	23897					
Comment Code						
Inspector Comment						
DS_ID:23897						
FS_ID:38556						
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_2019_38556_70608.jpg



Slidegate in CMP riser on WS shoulder. No lid and gate valve does not work.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.111830 °		38.111830 °
				-121.160019 °		-121.160019 °
DWR ID	23897					
Comment Code						
Inspector Comment						
DS_ID:23897						
FS_ID:38556						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Slidegate not functional or rusted in place. No lid on 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_2019_38556_70607.jpg



Headwall at LS toe.

LM Start	1.50	Rating **	M	Issue No.	215 (cont)
LM End	1.50	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38556_70606.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

LM Start	1.58	Rating **	U	Issue No.	42
LM End	1.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.112401°	38.112702°
				-121.158875°	-121.158873°
DWR ID	DWR_NA0017_11_f_2019_42				
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_2019_NA0017_155_42_20191117_00098.jpg



View of multiple animal burrows on landside slope. Fall 2019

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	DRAFT DWR UCIP LMA Responsibility			38.114551°	38.114551°
				-121.156224°	-121.156224°
DWR ID	23872				
Comment Code					
Inspector Comment					
DS_ID:23872					
FS_ID:38555					
EP_NO: 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_2019_38555_70603.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.114551 °		38.114551 °
				-121.156224 °		-121.156224 °
DWR ID	23872					
Comment Code						
Inspector Comment						
DS_ID:23872 FS_ID:38555 EP_NO: 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 2 of 3 : UCIP_FA_2019_38555_70602.jpg



Headwall at LS toe.

LM Start	1.81	Rating **	A/W	Issue No.	216 (cont)
LM End	1.81	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38555_70601.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.117176°	38.117176°
				-121.154019°	-121.154019°
DWR ID	23874				
Comment Code					
Inspector Comment					
DS_ID:23874					
FS_ID:38552					
EP_NO: 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_2019_38552_70590.jpg



Headwall at LS toe.

LM Start	2.04	Rating **	A/W	Issue No.	218 (cont)
LM End	2.04	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38552_70589.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.117176 °		38.117176 °
				-121.154019 °		-121.154019 °
DWR ID	23874					
Comment Code						
Inspector Comment						
DS_ID:23874 FS_ID:38552 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.05)]. FS Date: 6/12/2014						

Photo 3 of 3 : UCIP_FA_2019_38552_70588.jpg



Headwall and flapgate on WS slope.

LM Start	2.12	Rating **	A/W	Issue No.	219
LM End	2.12	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.117580 °	38.117580 °
				-121.152490 °	-121.152490 °
DWR ID	23875				
Comment Code					
Inspector Comment					
DS_ID:23875					
FS_ID:38551					
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_2019_38551_70586.jpg



Grouted outlet showing pipe and flapgate on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.117580 °	38.117580 °	
				-121.152490 °	-121.152490 °	
DWR ID	23875					
Comment Code						
Inspector Comment						
DS_ID:23875						
FS_ID:38551						
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						

LM Start	2.12	Rating **	A/W	Issue No.	219 (cont)
LM End	2.12	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38551_70585.jpg



Grouted outlet showing pipe and flapgate on WS slope.

Photo 3 of 3 : UCIP_FA_2019_38551_70584.jpg



Grate over drop-inlet at LS toe next to T-post.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.117920 °	38.117920 °
				-121.151120 °	-121.151120 °
DWR ID	23876				
Comment Code					
Inspector Comment					
DS_ID:23876 FS_ID:38550 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete inlet at LS of East Kettleman road is damaged...may or may not be a hazard. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on the waterside (WS) end. Flap gate on the WS end. Cobble grouted spillway. 36-inch concrete catch basin on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.22)]. FS Date: 6/12/2014					

LM Start	2.20	Rating **	M	Issue No.	220 (cont)
LM End	2.20	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_38550_70583.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP_FA_2019_38550_70582.jpg



Concrete drop-inlet on North side of East Kettleman road damaged.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.117920 °		38.117920 °
				-121.151120 °		-121.151120 °
DWR ID	23876					
Comment Code						
Inspector Comment						
DS_ID:23876 FS_ID:38550 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete inlet at LS of East Kettleman road is damaged...may or may not be a hazard. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on the waterside (WS) end. Flap gate on the WS end. Cobble grouted spillway. 36-inch concrete catch basin on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.22)]. FS Date: 6/12/2014						

Photo 3 of 3 : UCIP_FA_2019_38550_70581.jpg



Concrete drop-inlet on North side of East Kettleman road damaged.

LM Start	2.22	Rating **	A/W	Issue No.	223
LM End	2.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.118083 °	38.118083 °
				-121.150782 °	-121.150782 °
DWR ID	23878				
Comment Code					
Inspector Comment					
DS_ID:23878 FS_ID:38548 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.24)]. FS Date: 6/11/2014					

Photo 1 of 3 : UCIP_FA_2019_38548_70576.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.118083 °		38.118083 °
				-121.150782 °		-121.150782 °
DWR ID	23878					
Comment Code						
Inspector Comment						
DS_ID:23878 FS_ID:38548 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.24)]. FS Date: 6/11/2014						

LM Start	2.22	Rating **	A/W	Issue No.	223 (cont)
LM End	2.22	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38548_70575.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP_FA_2019_38548_70574.jpg



Inside pipe at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

LM Start	2.41	Rating **	M	Issue No.	41
LM End	2.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.119248°	38.119248°
				-121.148125°	-121.148125°
DWR ID	DWR_NA0017_11_f_2019_41				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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	DRAFT DWR UCIP LMA Responsibility			38.119587 °	38.119587 °
				-121.147961 °	-121.147961 °
DWR ID	23886				
Comment Code					
Inspector Comment					
DS_ID:23886					
FS_ID:38546					
EP_NO: 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_2019_38546_70571.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.119587°	38.119587°	
				-121.147961°	-121.147961°	
DWR ID	23886					
Comment Code						
Inspector Comment						
DS_ID:23886 FS_ID:38546 EP_NO: 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_2019_38546_70570.jpg



Headwall at LS toe.

LM Start	2.43	Rating **	A/W	Issue No.	224 (cont)
LM End	2.43	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38546_70569.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.120062 °	38.120062 °
				-121.147791 °	-121.147791 °
DWR ID	23887				
Comment Code					
Inspector Comment					
DS_ID:23887					
FS_ID:38545					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.48)].					
FS Date: 6/11/2014					

Photo 1 of 3 : UCIP_FA_2019_38545_70566.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	2.46	Rating **	A/W	Issue No.	225 (cont)
LM End	2.46	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38545_70565.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.120062 °	38.120062 °	
				-121.147791 °	-121.147791 °	
DWR ID	23887					
Comment Code						
Inspector Comment						
DS_ID:23887 FS_ID:38545 EP_NO: 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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.121460 °	38.121460 °
				-121.147020 °	-121.147020 °
DWR ID	23888				
Comment Code					
Inspector Comment					
DS_ID:23888 FS_ID:38544 EP_NO: 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_2019_38544_70561.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.121460 °		38.121460 °
				-121.147020 °		-121.147020 °
DWR ID	23888					
Comment Code						
Inspector Comment						
DS_ID:23888 FS_ID:38544 EP_NO: 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 2 of 3 : UCIP_FA_2019_38544_70560.jpg



Headwall at LS toe.

LM Start	2.57	Rating **	A/W	Issue No.	226 (cont)
LM End	2.57	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38544_70559.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.122345 °	38.122345 °
				-121.144949 °	-121.144949 °
DWR ID	23890				
Comment Code					
Inspector Comment					
DS_ID:23890 FS_ID:38542 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_2019_38542_70554.jpg



Headwall at LS toe.

LM Start	2.71	Rating **	A/W	Issue No.	228 (cont)
LM End	2.71	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38542_70553.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.122345 °		38.122345 °
				-121.144949 °		-121.144949 °
DWR ID	23890					
Comment Code						
Inspector Comment						
DS_ID:23890						
FS_ID:38542						
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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.124516 °	38.124516 °
				-121.144331 °	-121.144331 °
DWR ID	23891				
Comment Code					
Inspector Comment					
DS_ID:23891 FS_ID:38541 EP_NO: 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_2019_38541_70550.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.124516 °	38.124516 °	
				-121.144331 °	-121.144331 °	
DWR ID	23891					
Comment Code						
Inspector Comment						
DS_ID:23891 FS_ID:38541 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.88)]. FS Date: 6/11/2014						

LM Start	2.86	Rating **	A/W	Issue No.	229 (cont)
LM End	2.86	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38541_70549.jpg



Headwall at LS toe.

Photo 3 of 3 : UCIP_FA_2019_38541_70548.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.126690 °	38.126690 °	
				-121.144040 °	-121.144040 °	
DWR ID	23892					
Comment Code						
Inspector Comment						
DS_ID:23892						
FS_ID:38539						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe abandoned and if so should be done so properly. Verify if possible pipe filled with concrete.						
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). (Intake end plugged, and pipe filled with concrete under Permit No. 17426, 2003 - Western Dairy Design Associates, Inc.). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 3.04)].						
FS Date: 6/11/2014						

LM Start	3.02	Rating **	M	Issue No.	230 (cont)
LM End	3.02	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_38539_70546.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP_FA_2019_38539_70545.jpg



Headwall and flapgate on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

LM Start	3.02	Rating **	M	Issue No.	230 (cont)	
LM End	3.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.126690 °	38.126690 °	
				-121.144040 °	-121.144040 °	
DWR ID	23892					
Comment Code						
Inspector Comment						
DS_ID:23892 FS_ID:38539 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_2019_38539_70544.jpg



LS filled in with concrete per notes.

LM Start	3.13	Rating **	A/W	Issue No.	231
LM End	3.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.127210 °	38.127210 °
				-121.142099 °	-121.142099 °
DWR ID	23893				
Comment Code					
Inspector Comment					
DS_ID:23893 FS_ID:38538 EP_NO: 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_2019_38538_70541.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.127210°	38.127210°	
				-121.142099°	-121.142099°	
DWR ID	23893					
Comment Code						
Inspector Comment						
DS_ID:23893						
FS_ID:38538						
EP_NO: 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_2019_38538_70540.jpg



Headwall and flapgate on WS slope.

LM Start	3.13	Rating **	A/W	Issue No.	231 (cont)
LM End	3.13	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38538_70539.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.130683 °	38.130683 °
				-121.139092 °	-121.139092 °
DWR ID	23895				
Comment Code					
Inspector Comment					
DS_ID:23895 FS_ID:38536 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 3.47)]. FS Date: 6/11/2014					

Photo 1 of 3 : UCIP_FA_2019_38536_70534.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	3.45	Rating **	A/W	Issue No.	233 (cont)
LM End	3.45	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38536_70533.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.130683 °	38.130683 °	
				-121.139092 °	-121.139092 °	
DWR ID	23895					
Comment Code						
Inspector Comment						
DS_ID:23895 FS_ID:38536 EP_NO: 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_2019_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	DRAFT DWR UCIP LMA Responsibility			38.131754 °	38.131754 °
				-121.138824 °	-121.138824 °
DWR ID	23896				
Comment Code					
Inspector Comment					
DS_ID:23896 FS_ID:38535 EP_NO: 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_2019_38535_70529.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/29/2019 10/29/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.131754 °	38.131754 °	
				-121.138824 °	-121.138824 °	
DWR ID	23896					
Comment Code						
Inspector Comment						
DS_ID:23896						
FS_ID:38535						
EP_NO: 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 2 of 3 : UCIP_FA_2019_38535_70528.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	3.53	Rating **	A/W	Issue No.	234 (cont)
LM End	3.53	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38535_70527.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.14	Rating **	M	Issue No.	110	
LM End	0.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.097104 °		38.097104 °
				-121.168757 °		-121.168757 °
DWR ID	23925					
Comment Code						
Inspector Comment						
DS_ID:23925						
FS_ID:40788						
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	0.14	Rating **	M	Issue No.	110 (cont)
LM End	0.14	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_40788_70672.jpg



Slidegate in CMP riser on WS slope. No lid and gate rusted in place.

Photo 2 of 3 : UCIP_FA_2019_40788_70671.jpg



Headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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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 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.15	Rating **	M	Issue No.	111 (cont)
LM End	0.15	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.097126°	38.097126°	
			-121.168760°	-121.168760°	
DWR ID	23930				

Comment Code

Inspector Comment

DS_ID:23930
FS_ID:38569
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

LM Start	0.15	Rating **	M	Issue No.	111 (cont)
LM End	0.15	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38569_70668.jpg



Headwall at LS toe not accessible

Photo 3 of 3 : UCIP_FA_2019_38569_70667.jpg



Headwall and flapgate on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.40	Rating **	A/W	Issue No.	112
LM End	0.40	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.100813 °	38.100813 °
				-121.168455 °	-121.168455 °
DWR ID	23900				
Comment Code					
Inspector Comment					
DS_ID:23900 FS_ID:38573 EP_NO: 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	0.40	Rating **	A/W	Issue No.	112 (cont)
LM End	0.40	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_38573_70675.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP_FA_2019_38573_70674.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.40	Rating **	A/W	Issue No.	112 (cont)	
LM End	0.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.100813 °	38.100813 °	
				-121.168455 °	-121.168455 °	
DWR ID	23900					
Comment Code						
Inspector Comment						
DS_ID:23900 FS_ID:38573 EP_NO: 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_2019_38573_70673.jpg



Headwall at LS toe.

LM Start	0.43	Rating **	M	Issue No.	38
LM End	0.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.101190 °	38.101190 °
				-121.168235 °	-121.168235 °
DWR ID	DWR_NA0017_12_f_2019_38				
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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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					
Erosion on waterside caused by drainage pipe.					

LM Start	0.43	Rating **	M	Issue No.	45 (cont)
LM End	0.43	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : FA_2019_NA0017_156_45_20191117_00095.jpg



View of erosion caused by an irrigation drainage pipe coming from the landside property. Fall 2019

Photo 2 of 2 : FA_2019_NA0017_156_45_20190830_00014.jpg



Erosion caused by pipe outfall on waterside.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.48	Rating **	A/W	Issue No.	113
LM End	0.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.101868 °	38.101868 °
				-121.167847 °	-121.167847 °
DWR ID	23901				
Comment Code					
Inspector Comment					
DS_ID:23901 FS_ID:38574 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.48)]. FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2019_38574_70680.jpg



Headwall at LS toe.

LM Start	0.48	Rating **	A/W	Issue No.	113 (cont)
LM End	0.48	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38574_70679.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.48	Rating **	A/W	Issue No.	113 (cont)	
LM End	0.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.101868 °		38.101868 °
				-121.167847 °		-121.167847 °
DWR ID	23901					
Comment Code						
Inspector Comment						
DS_ID:23901 FS_ID:38574 EP_NO: 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_2019_38574_70678.jpg



Headwall and flapgate on WS slope.

LM Start	0.49	Rating **	C	Issue No.	52
LM End	0.64	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.101965 °	38.103326 °
				-121.167768 °	-121.165759 °
DWR ID	DWR_NA0017_12_s_2019_52				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
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 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.61	Rating **	A/W	Issue No.	114
LM End	0.61	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.102847 °	38.102847 °
				-121.165924 °	-121.165924 °
DWR ID	23902				
Comment Code					
Inspector Comment					
DS_ID:23902 FS_ID:38576 EP_NO: 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_2019_38576_70690.jpg



Headwall at LS toe.

LM Start	0.61	Rating **	A/W	Issue No.	114 (cont)
LM End	0.61	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38576_70689.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.61	Rating **	A/W	Issue No.	114 (cont)	
LM End	0.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.102847 °	38.102847 °	
				-121.165924 °	-121.165924 °	
DWR ID	23902					
Comment Code						
Inspector Comment						
DS_ID:23902 FS_ID:38576 EP_NO: 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 3 of 3 : UCIP_FA_2019_38576_70688.jpg



Headwall and flapgate on WS slope.

LM Start	0.77	Rating **	A/W	Issue No.	115
LM End	0.77	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.105162 °	38.105162 °
				-121.165764 °	-121.165764 °
DWR ID	23903				
Comment Code					
Inspector Comment					
DS_ID:23903					
FS_ID:38577					
EP_NO: 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_2019_38577_70695.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.77	Rating **	A/W	Issue No.	115 (cont)	
LM End	0.77	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.105162°	38.105162°	
				-121.165764°	-121.165764°	
DWR ID	23903					
Comment Code						
Inspector Comment						
DS_ID:23903 FS_ID:38577 EP_NO: 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 2 of 3 : UCIP_FA_2019_38577_70694.jpg



Headwall at LS toe.

LM Start	0.77	Rating **	A/W	Issue No.	115 (cont)
LM End	0.77	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38577_70693.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	1.52	Rating **	A/W	Issue No.	116	
LM End	1.52	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.111918 °		38.111918 °
				-121.158694 °		-121.158694 °
DWR ID	23904					
Comment Code						
Inspector Comment						
DS_ID:23904 FS_ID:38624 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 2 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.51)]. FS Date: 6/12/2014						

LM Start	1.52	Rating **	A/W	Issue No.	116 (cont)
LM End	1.52	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_38624_70787.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP_FA_2019_38624_70786.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	1.52	Rating **	A/W	Issue No.	116 (cont)	
LM End	1.52	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.111918 °	38.111918 °	
				-121.158694 °	-121.158694 °	
DWR ID	23904					
Comment Code						
Inspector Comment						
DS_ID:23904 FS_ID:38624 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 2 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.51)]. FS Date: 6/12/2014						

Photo 3 of 3 : UCIP_FA_2019_38624_70785.jpg



Headwall at LS toe.

LM Start	1.90	Rating **	M	Issue No.	117
LM End	1.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.115827 °	38.115827 °
				-121.154602 °	-121.154602 °
DWR ID	23905				
Comment Code					
Inspector Comment					
DS_ID:23905					
FS_ID:38626					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe is covered with soil at inlet on LS.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 3.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS).					
[Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.90)].					
FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2019_38626_70795.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	1.90	Rating **	M	Issue No.	117 (cont)	
LM End	1.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.115827°	38.115827°	
				-121.154602°	-121.154602°	
DWR ID	23905					
Comment Code						
Inspector Comment						
DS_ID:23905 FS_ID:38626 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is covered with soil at inlet on LS. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 3.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.90)]. FS Date: 6/12/2014						

Photo 2 of 3 : UCIP_FA_2019_38626_70794.jpg



Headwall at LS toe buried in soil.

LM Start	1.90	Rating **	M	Issue No.	117 (cont)
LM End	1.90	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38626_70793.jpg



Headwall and flapgate on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	1.96	Rating **	M	Issue No.	118	
LM End	1.96	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.116650 °	38.116650 °	
				-121.154118 °	-121.154118 °	
DWR ID	23906					
Comment Code						
Inspector Comment						
DS_ID:23906						
FS_ID:38627						
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_2019_38627_70797.jpg



Headwall buried on WS shoulder.

LM Start	1.96	Rating **	M	Issue No.	118 (cont)
LM End	1.96	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_FA_2019_38627_70796.jpg



Headwall buried on LS shoulder.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	2.15	Rating **	A/W	Issue No.	120
LM End	2.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.117702 °	38.117702 °
				-121.151033 °	-121.151033 °
DWR ID	23908				
Comment Code					
Inspector Comment					
DS_ID:23908 FS_ID:38629 EP_NO: 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_2019_38629_70805.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	2.15	Rating **	A/W	Issue No.	120 (cont)
LM End	2.15	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38629_70804.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	2.15	Rating **	A/W	Issue No.	120 (cont)	
LM End	2.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.117702 °	38.117702 °	
				-121.151033 °	-121.151033 °	
DWR ID	23908					
Comment Code						
Inspector Comment						
DS_ID:23908 FS_ID:38629 EP_NO: 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_2019_38629_70803.jpg



Headwall at LS toe.

LM Start	2.16	Rating **	A/W	Issue No.	123
LM End	2.16	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.117713 °	38.117713 °
				-121.150764 °	-121.150764 °
DWR ID	23909				
Comment Code					
Inspector Comment					
DS_ID:23909 FS_ID:38630 EP_NO: 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_2019_38630_70810.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	2.16	Rating **	A/W	Issue No.	123 (cont)	
LM End	2.16	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.117713 °	38.117713 °	
				-121.150764 °	-121.150764 °	
DWR ID	23909					
Comment Code						
Inspector Comment						
DS_ID:23909						
FS_ID:38630						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 2.16)].						
FS Date: 6/19/2014						

LM Start	2.16	Rating **	A/W	Issue No.	123 (cont)
LM End	2.16	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38630_70809.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP_FA_2019_38630_70808.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	2.36	Rating **	A/W	Issue No.	124
LM End	2.36	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.118995 °	38.118995 °
				-121.147840 °	-121.147840 °
DWR ID	23911				
Comment Code					
Inspector Comment					
DS_ID:23911 FS_ID:38632 EP_NO: 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_2019_38632_70815.jpg



Headwall at LS toe.

LM Start	2.36	Rating **	A/W	Issue No.	124 (cont)
LM End	2.36	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38632_70814.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	2.36	Rating **	A/W	Issue No.	124 (cont)
LM End	2.36	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.118995 °	38.118995 °
				-121.147840 °	-121.147840 °
DWR ID	23911				
Comment Code					
Inspector Comment					
DS_ID:23911 FS_ID:38632 EP_NO: 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_2019_38632_70813.jpg



Headwall, flapgate, and grouted spillway on WS slope.

LM Start	2.41	Rating **	C	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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	2.61	Rating **	M	Issue No.	125	
LM End	2.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.121463 °	38.121463 °	
				-121.145437 °	-121.145437 °	
DWR ID	23913					
Comment Code						
Inspector Comment						
DS_ID:23913 FS_ID:51630 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/04/2016 Crossing has been downgraded from Urgent to Non-Urgent the silt buildup in front of the flapgate on the WS has been removed, however the sediment buildup inside the crossing still remains. Recommend clearing the sediment buildup inside the pipe and complete an internal integrity inspection to confirm crossing is in good condition. (O. Magana - DWR UCIP) 06/19/2014 Silt buildup on WS toe blocking flapgate operation. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Flap gate is located on the waterside (WS) end with a cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1977, 1978, 1987, 1990. USACE San Joaquin O&M Manual Unit 612, Part No. 2 - Bear Creel Project, Unit 7: HLM 7.19 – 16.77, Unit 8: HLM 7.55-16.48, Unit 9: HLM 0.10-1.52; Unit 10: HLM 0.03-1.35, Unit 11: HLM 0.16-3.55, Unit 12: HLM 0.14-3.91; Unit 13, HLM 0.03-1.18; Unit 14, HLM 0.02-1.17, 1967, (HLM 2.61)] FS Date: 11/4/2016 8:33:00 AM						

LM Start	2.61	Rating **	M	Issue No.	125 (cont)
LM End	2.61	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_51630_70822.jpg



Flapgate and grouted spillway on WS slope.

Photo 2 of 3 : UCIP_FA_2019_51630_70821.jpg



Inlet at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	2.61	Rating **	M	Issue No.	125 (cont)	
LM End	2.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.121463 °	38.121463 °	
				-121.145437 °	-121.145437 °	
DWR ID	23913					
Comment Code						
Inspector Comment						
DS_ID:23913 FS_ID:51630 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_2019_51630_70820.jpg



Inlet at LS toe.

LM Start	2.61	Rating **	M	Issue No.	39
LM End	3.50	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.121472 °	38.131695 °
				-121.145414 °	-121.138441 °
DWR ID	DWR_NA0017_12_s_2019_39				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	2.72	Rating **	A/W	Issue No.	129	
LM End	2.72	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.122733 °	38.122733 °	
				-121.144351 °	-121.144351 °	
DWR ID	23915					
Comment Code						
Inspector Comment						
DS_ID:23915						
FS_ID:38636						
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_2019_38636_70832.jpg



Headwall and pipe at LS shoulder.

LM Start	2.72	Rating **	A/W	Issue No.	129 (cont)
LM End	2.72	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38636_70831.jpg



Headwall and pipe at LS shoulder.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	2.72	Rating **	A/W	Issue No.	129 (cont)	
LM End	2.72	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.122733 °	38.122733 °	
				-121.144351 °	-121.144351 °	
DWR ID	23915					
Comment Code						
Inspector Comment						
DS_ID:23915						
FS_ID:38636						
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_2019_38636_70830.jpg



Inside pipe on LS shoulder.

LM Start	2.94	Rating **	A/W	Issue No.	130
LM End	2.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.125894 °	38.125894 °
				-121.143970 °	-121.143970 °
DWR ID	23916				
Comment Code					
Inspector Comment					
DS_ID:23916					
FS_ID:38638					
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_2019_38638_70838.jpg



Flapgate on CMP pipe at WS slope with grouted spillway.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	2.94	Rating **	A/W	Issue No.	130 (cont)
LM End	2.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.125894 °	38.125894 °
				-121.143970 °	-121.143970 °
DWR ID	23916				
Comment Code					
Inspector Comment					
DS_ID:23916 FS_ID:38638 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_2019_38638_70837.jpg



Pipe at inlet on LS shoulder.

LM Start	2.94	Rating **	A/W	Issue No.	130 (cont)
LM End	2.94	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38638_70836.jpg



Pipe at inlet on LS shoulder.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	3.09	Rating **	U	Issue No.	131
LM End	3.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.126939 °	38.126939 °
				-121.141925 °	-121.141925 °
DWR ID	23928				
Comment Code					
Inspector Comment					
DS_ID:23928 FS_ID:53519 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_2019_53519_70848.jpg



Pipe on LS toe.

LM Start	3.09	Rating **	U	Issue No.	131 (cont)
LM End	3.09	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_53519_70847.jpg



Pipe at grouted spillway on WS slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	3.09	Rating **	U	Issue No.	131 (cont)	
LM End	3.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.126939 °		38.126939 °
				-121.141925 °		-121.141925 °
DWR ID	23928					
Comment Code						
Inspector Comment						
DS_ID:23928 FS_ID:53519 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 3 of 3 : UCIP_FA_2019_53519_70846.jpg



Pipe at grouted spillway on WS slope.

LM Start	3.09	Rating **	U	Issue No.	132	
LM End	3.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.126943 °		38.126943 °
				-121.141916 °		-121.141916 °
DWR ID	23926					
Comment Code						
Inspector Comment						
DS_ID:23926 FS_ID:53520 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_2019_53520_70853.jpg



Pipe visible on WS slope at grouted spillway.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	3.09	Rating **	U	Issue No.	132 (cont)	
LM End	3.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.126943 °		38.126943 °
				-121.141916 °		-121.141916 °
DWR ID	23926					
Comment Code						
Inspector Comment						
DS_ID:23926 FS_ID:53520 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						

LM Start	3.09	Rating **	U	Issue No.	132 (cont)
LM End	3.09	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_53520_70852.jpg



Inside pipe at WS slope.

Photo 3 of 3 : UCIP_FA_2019_53520_70851.jpg



Pipe visible on WS slope at grouted spillway.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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					
There are small rills on the waterside slope.					

No Photos

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					
There is runoff erosion on the waterside slope.					

Photo 1 of 1 : FA_2019_NA0017_156_49_20190830_00016.jpg



View of erosion on the waterside slope. Fall 2018.

LM Start	3.14	Rating **	U	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					
Land owner has placed hay bales as a temporary measure for surface runoff.					

Photo 1 of 3 : FA_2019_NA0017_156_31_20191117_00092.jpg



View of erosion caused by surface runoff. Land owner has placed hay bales into erosion area. LMA will schedule repair. Fall 2019

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

Picture of the erosion on the waterside shoulder of the levee. Fall 2016

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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	3.23	Rating **	A/W	Issue No.	133
LM End	3.23	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.128162°	38.128162°
				-121.139922°	-121.139922°
DWR ID	23917				

Comment Code

Inspector Comment

DS_ID:23917
FS_ID:38643
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

LM Start	3.23	Rating **	A/W	Issue No.	133 (cont)
LM End	3.23	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_38643_70857.jpg



Inside pipe at WS slope.

Photo 2 of 3 : UCIP_FA_2019_38643_70856.jpg



Pipe and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	3.23	Rating **	A/W	Issue No.	133 (cont)	
LM End	3.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.128162°	38.128162°	
				-121.139922°	-121.139922°	
DWR ID	23917					
Comment Code						
Inspector Comment						
DS_ID:23917 FS_ID:38643 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_2019_38643_70855.jpg



Ditch for inlet well off LS shoulder.

LM Start	3.37	Rating **	C	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					

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 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	3.45	Rating **	C	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					

No Photos

LM Start	3.51	Rating **	A/W	Issue No.	135	
LM End	3.51	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.131725°	38.131725°	
				-121.138422°	-121.138422°	
DWR ID	23920					
Comment Code						
Inspector Comment						
DS_ID:23920						
FS_ID:38646						
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_2019_38646_70866.jpg



Pipe on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	3.51	Rating **	A/W	Issue No.	135 (cont)	
LM End	3.51	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.131725°	38.131725°	
				-121.138422°	-121.138422°	
DWR ID	23920					
Comment Code						
Inspector Comment						
DS_ID:23920 FS_ID:38646 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 2 of 3 : UCIP_FA_2019_38646_70865.jpg



Pipe on WS slope.

LM Start	3.51	Rating **	A/W	Issue No.	135 (cont)
LM End	3.51	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38646_70864.jpg



Inside pipe at WS toe.

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

View of tire ruts on crown surface. Fall 2019

Headwall, flapgate, and grouted spillway on WS slope.

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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.03	Rating **	A/W	Issue No.	18 (cont)	
LM End	0.03	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.109370°	38.109370°	
				-121.159906°	-121.159906°	
DWR ID	23931					
Comment Code						
Inspector Comment						
DS_ID:23931						
FS_ID:38578						
EP_NO: 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 2 of 3 : UCIP_FA_2019_38578_70698.jpg



Headwall at LS toe.

LM Start	0.03	Rating **	A/W	Issue No.	18 (cont)
LM End	0.03	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_38578_70697.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.110925 °	38.110925 °
				-121.150976 °	-121.150976 °
DWR ID	23933				
Comment Code					
Inspector Comment					
DS_ID:23933 FS_ID:38581 EP_NO: 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_2019_38581_70709.jpg



Headwall at LS toe.

LM Start	0.55	Rating **	A/W	Issue No.	19 (cont)
LM End	0.55	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38581_70708.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.110925 °	38.110925 °
				-121.150976 °	-121.150976 °
DWR ID	23933				
Comment Code					
Inspector Comment					
DS_ID:23933 FS_ID:38581 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.58)]. FS Date: 6/12/2014					

Photo 3 of 3 : UCIP_FA_2019_38581_70707.jpg



Headwall at LS toe.

LM Start	0.57	Rating **	C	Issue No.	17
LM End	1.38	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.111100 °	38.110861 °
				-121.150795 °	-121.138842 °
DWR ID	DWR_NA0017_13_s_2019_17				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Vegetation on crown has been removed. Fall 2019					

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 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.57	Rating **	A/W	Issue No.	22
LM End	0.57	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.111127°	38.111127°
				-121.150747°	-121.150747°
DWR ID	23934				
Comment Code					
Inspector Comment					
DS_ID:23934 FS_ID:38582 EP_NO: 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	0.57	Rating **	A/W	Issue No.	22 (cont)
LM End	0.57	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_38582_70714.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 2 of 3 : UCIP_FA_2019_38582_70713.jpg



Headwall and flapgate on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.57	Rating **	A/W	Issue No.	22 (cont)
LM End	0.57	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.111127°	38.111127°
				-121.150747°	-121.150747°
DWR ID	23934				
Comment Code					
Inspector Comment					
DS_ID:23934 FS_ID:38582 EP_NO: 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_2019_38582_70712.jpg



Headwall at LS toe.

LM Start	0.86	Rating **	A/W	Issue No.	23
LM End	0.86	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.110146 °	38.110146 °
				-121.146704 °	-121.146704 °
DWR ID	23935				
Comment Code					
Inspector Comment					
DS_ID:23935					
FS_ID:38583					
EP_NO: 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_2019_38583_70719.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.86	Rating **	A/W	Issue No.	23 (cont)	
LM End	0.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.110146°		38.110146°
				-121.146704°		-121.146704°
DWR ID	23935					
Comment Code						
Inspector Comment						
DS_ID:23935 FS_ID:38583 EP_NO: 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	0.86	Rating **	A/W	Issue No.	23 (cont)
LM End	0.86	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38583_70718.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP_FA_2019_38583_70717.jpg



Headwall and flapgate on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	1.04	Rating **	A/W	Issue No.	24
LM End	1.04	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.111146°	38.111146°
				-121.143696°	-121.143696°
DWR ID	23936				
Comment Code					
Inspector Comment					
DS_ID:23936 FS_ID:38585 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.11)]. FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2019_38585_70729.jpg



Headwall at LS toe.

LM Start	1.04	Rating **	A/W	Issue No.	24 (cont)
LM End	1.04	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38585_70728.jpg



Headwall, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	1.04	Rating **	A/W	Issue No.	24 (cont)	
LM End	1.04	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.111146°	38.111146°	
				-121.143696°	-121.143696°	
DWR ID	23936					
Comment Code						
Inspector Comment						
DS_ID:23936 FS_ID:38585 EP_NO: 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_2019_38585_70727.jpg



Headwall at LS toe.

LM Start	1.12	Rating **	A/W	Issue No.	25	
LM End	1.12	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.111781 °		38.111781 °
				-121.142618 °		-121.142618 °
DWR ID	23937					
Comment Code						
Inspector Comment						
DS_ID:23937						
FS_ID:38586						
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_2019_38586_70734.jpg



Headwall at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	1.12	Rating **	A/W	Issue No.	25 (cont)
LM End	1.12	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.111781 °	38.111781 °
				-121.142618 °	-121.142618 °
DWR ID	23937				
Comment Code					
Inspector Comment					
DS_ID:23937 FS_ID:38586 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 1.18)]. FS Date: 6/12/2014					

LM Start	1.12	Rating **	A/W	Issue No.	25 (cont)
LM End	1.12	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38586_70733.jpg



Headwall, flapgate, and grouted spillway on WS slope.

Photo 3 of 3 : UCIP_FA_2019_38586_70732.jpg



Headwall and flapgate on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.109687 °	38.109687 °
				-121.159895 °	-121.159895 °
DWR ID	23939				

Comment Code

Inspector Comment

DS_ID:23939
FS_ID:38623
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

LM Start	0.02	Rating **	A/W	Issue No.	22 (cont)
LM End	0.02	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_38623_70782.jpg



Pipe at inlet on LS shoulder.

Photo 2 of 3 : UCIP_FA_2019_38623_70781.jpg



Pipe at inlet on LS shoulder.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.109687 °	38.109687 °	
				-121.159895 °	-121.159895 °	
DWR ID	23939					
Comment Code						
Inspector Comment						
DS_ID:23939						
FS_ID:38623						
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_2019_38623_70780.jpg



Inside pipe at LS toe.

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	DRAFT DWR UCIP LMA Responsibility			38.109799 °	38.109799 °	
				-121.155621 °	-121.155621 °	
DWR ID	23940					
Comment Code						
Inspector Comment						
DS_ID:23940						
FS_ID:38615						
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_2019_38615_70778.jpg



Pipe, flapgate, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.109799 °	38.109799 °	
				-121.155621 °	-121.155621 °	
DWR ID	23940					
Comment Code						
Inspector Comment						
DS_ID:23940 FS_ID:38615 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						

LM Start	0.25	Rating **	M	Issue No.	23 (cont)
LM End	0.25	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38615_70777.jpg



Pipe at inlet on LS shoulder.

Photo 3 of 3 : UCIP_FA_2019_38615_70776.jpg



Pipe at inlet on LS shoulder.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.109855 °	38.109855 °	
				-121.153390 °	-121.153390 °	
DWR ID	23941					
Comment Code						
Inspector Comment						
DS_ID:23941 FS_ID:38614 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_2019_38614_70774.jpg



Pipe just visible on LS shoulder.

LM Start	0.37	Rating **	M	Issue No.	24 (cont)
LM End	0.37	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38614_70773.jpg



Pipe just visible on LS shoulder.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.109855 °	38.109855 °	
				-121.153390 °	-121.153390 °	
DWR ID	23941					
Comment Code						
Inspector Comment						
DS_ID:23941 FS_ID:38614 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 3 of 3 : UCIP_FA_2019_38614_70772.jpg



Pipe buried on WS slope.

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	DRAFT DWR UCIP LMA Responsibility			38.110456°	38.110456°
				-121.152083°	-121.152083°
DWR ID	23942				
Comment Code					
Inspector Comment					
DS_ID:23942					
FS_ID:38613					
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_2019_38613_70771.jpg



Flapgate, pipe, and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.110456 °	38.110456 °	
				-121.152083 °	-121.152083 °	
DWR ID	23942					
Comment Code						
Inspector Comment						
DS_ID:23942						
FS_ID:38613						
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						

LM Start	0.46	Rating **	A/W	Issue No.	25 (cont)
LM End	0.46	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_38613_70770.jpg



Inlet on LS shoulder.

Photo 3 of 3 : UCIP_FA_2019_38613_70769.jpg



Inside pipe at LS shoulder.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.111372 °	38.111372 °	
				-121.150985 °	-121.150985 °	
DWR ID	23943					
Comment Code						
Inspector Comment						
DS_ID:23943 FS_ID:53502 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						

Photo 1 of 3 : UCIP_FA_2019_53502_70768.jpg



Pipe on LS toe.

LM Start	0.55	Rating **	M	Issue No.	26 (cont)
LM End	0.55	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_53502_70767.jpg



Pipe on WS shoulder.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.55	Rating **	M	Issue No.	26 (cont)	
LM End	0.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.111372 °	38.111372 °	
				-121.150985 °	-121.150985 °	
DWR ID	23943					
Comment Code						
Inspector Comment						
DS_ID:23943						
FS_ID:53502						
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						

Photo 3 of 3 : UCIP_FA_2019_53502_76739.jpg



Overview of levee crown at pipe crossing.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.111507°	38.111507°
				-121.150745°	-121.150745°
DWR ID	23944				
Comment Code					
Inspector Comment					
DS_ID:23944					
FS_ID:38610					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe under the road, 2.5 feet below the crown. Open on both ends. Cobble grouted spillway. Cobble grouted intake on the landside (LS). [Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.57)].					
FS Date: 6/12/2014					

LM Start	0.56	Rating **	A/W	Issue No.	29 (cont)
LM End	0.56	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_38610_70764.jpg



Pipe and grouted spillway on WS

Photo 2 of 3 : UCIP_FA_2019_38610_70763.jpg



Inside pipe at LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.111507°	38.111507°	
				-121.150745°	-121.150745°	
DWR ID	23944					
Comment Code						
Inspector Comment						
DS_ID:23944						
FS_ID:38610						
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_2019_38610_70762.jpg



Pipe at LS toe.

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	DRAFT DWR UCIP LMA Responsibility			38.111475 °	38.111475 °
				-121.148081 °	-121.148081 °
DWR ID	23945				
Comment Code					
Inspector Comment					
DS_ID:23945					
FS_ID:41365					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe open on both ends. Levee appears abandoned.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 1 foot below the crown. Cobble grouted spillway.					
Cobble grouted intake on the landside (LS). Open on both ends.					
[Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin O&M Manual 612.2, 1967, (HLM 0.76)].					
FS Date: 6/12/2014					

Photo 1 of 3 : UCIP_FA_2019_41365_70758.jpg



Pipe on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.111475 °	38.111475 °	
				-121.148081 °	-121.148081 °	
DWR ID	23945					
Comment Code						
Inspector Comment						
DS_ID:23945						
FS_ID:41365						
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 2 of 3 : UCIP_FA_2019_41365_70757.jpg



Pipe on WS slope.

LM Start	0.75	Rating **	M	Issue No.	30 (cont)
LM End	0.75	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_41365_70756.jpg



Pipe on LS shoulder.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

LM Start	0.75	Rating **	M	Issue No.	17
LM End	0.75	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.111370 °	38.111370 °
				-121.148009 °	-121.148009 °
DWR ID	DWR_NA0017_14_f_2019_17				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Ruts on crown surface caused by heavy equipment/farm tractor. LMA will regrade.					

Photo 1 of 1 : FA_2019_NA0017_158_17_20191117_00045.jpg



View of ruts on crown surface. Fall 2019

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	DRAFT DWR UCIP LMA Responsibility			38.110801 °	38.110801 °
				-121.145174 °	-121.145174 °
DWR ID	23946				
Comment Code					
Inspector Comment					
DS_ID:23946 FS_ID:41791 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 1 of 3 : UCIP_FA_2019_41791_70755.jpg



Pipe and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.110801°	38.110801°	
				-121.145174°	-121.145174°	
DWR ID	23946					
Comment Code						
Inspector Comment						
DS_ID:23946 FS_ID:41791 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 2 of 3 : UCIP_FA_2019_41791_70754.jpg



Pipe and grouted spillway on WS slope.

LM Start	0.94	Rating **	M	Issue No.	31 (cont)
LM End	0.94	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_41791_70753.jpg



Inside pipe at WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.110926°	38.110926°
				-121.144799°	-121.144799°
DWR ID	23947				
Comment Code					
Inspector Comment					
DS_ID:23947					
FS_ID:41792					
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					

LM Start	0.96	Rating **	M	Issue No.	32 (cont)
LM End	0.96	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2019_41792_70752.jpg



Pipe and grouted spillway on WS slope.

Photo 2 of 2 : UCIP_FA_2019_41792_70751.jpg



Pipe and grouted spillway on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.112125 °		38.112125 °
				-121.142568 °		-121.142568 °
DWR ID	23949					
Comment Code						
Inspector Comment						
DS_ID:23949 FS_ID:41793 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 3 of 3 : UCIP_FA_2019_41793_70744.jpg



Pipe, flapgate, and grouted spillway on WS slope.

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	DRAFT DWR UCIP LMA Responsibility			38.112296 °	38.112296 °
				-121.141654 °	-121.141654 °
DWR ID	23950				
Comment Code					
Inspector Comment					
DS_ID:23950					
FS_ID:41794					
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 1 of 3 : UCIP_FA_2019_41794_70742.jpg



Pipe on WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/30/2019 10/30/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.112296 °	38.112296 °	
				-121.141654 °	-121.141654 °	
DWR ID	23950					
Comment Code						
Inspector Comment						
DS_ID:23950						
FS_ID:41794						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe open on both ends. Levee appears abandoned.						
FIELD_STRUCT_DESC: 48-inch reinforced concrete drainage pipe						
through the levee, 5.5 feet below the crown. Cobble grouted spillway.						
Cobble grouted intake on the landside (LS). Open on both ends.						
[Additional Reference(s): DWR Levee Log, 1978. USACE San Joaquin						
O&M Manual 612.2, 1967, (HLM 1.17)].						
FS Date: 6/12/2014						

LM Start	1.16	Rating **	M	Issue No.	35 (cont)
LM End	1.16	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_41794_70741.jpg



Inside pipe.

Photo 3 of 3 : UCIP_FA_2019_41794_70740.jpg



Pipe at LS intake.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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_2019_NA0017_159_1155_20190830_00130.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 *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.049780 °	38.043090 °
				-121.014681 °	-121.026200 °
DWR ID	DWR_NA0017_15_s_2012_10				
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_2019_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 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	0.26	Rating **	A/W	Issue No.	155 (cont)
LM End	1.06	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.049780 °	38.043090 °
				-121.014681 °	-121.026200 °
DWR ID	DWR_NA0017_15_s_2012_10				
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 2 of 3 : LEVAL_FA_2019_83_1012.jpg



Photo 3 of 3 : LEVAL_FA_2019_83_1021.jpg



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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	0.38	Rating **	A/W	Issue No.	161
LM End	1.29	Issue Type +	Ma	Location *	
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					

Comment Code

Inspector Comment

Site ID: NA0017U15RM22.91
 08/28/2019: No significant change observed. This area is patrol road only.
 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.

LM Start	0.38	Rating **	A/W	Issue No.	161 (cont)
LM End	1.29	Issue Type +	Ma	Location *	

Photo 1 of 3 : SJR2019_NA0017U15RM22.91_2.jpg



Looking at the site from the levee top.

Photo 2 of 3 : SJR2019_NA0017U15RM22.91_5.jpg



Close-up view of the erosion. Note dense vegetation and trees on site.

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

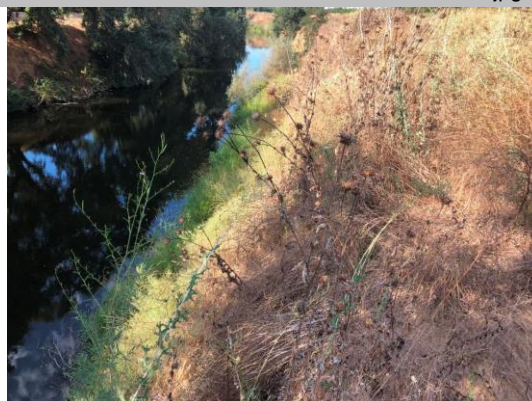
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	0.38	Rating **	A/W	Issue No.	161 (cont)	
LM End	1.29	Issue Type +	Ma	Location *		
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						
Site ID: NA0017U15RM22.91						
08/28/2019: No significant change observed. This area is patrol road only.						
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.						

Photo 3 of 3 : SJR2019_NA0017U15RM22.91_1.jpg



Close-up 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 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	0.79	Rating **	A/W	Issue No.	156
LM End		Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.045930 °	38.045341 °
				-121.023021 °	-121.034014 °
DWR ID	LMA-304				

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 1 of 3 : LEVAL_FA_2019_477_2241.jpg



Photo 2 of 3 : LEVAL_FA_2019_477_2248.jpg



LM Start	0.79	Rating **	A/W	Issue No.	156 (cont)
LM End		Issue Type +	Ma	Location *	WS

*** Location**

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

**** Rating**

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

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	0.79	Rating **	A/W	Issue No.	156 (cont)	
LM End		Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.045930 °	38.045341 °	
				-121.023021 °	-121.034014 °	
DWR ID	LMA-304					
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_2019_477_2251.jpg



LM Start	1.16	Rating **	M	Issue No.	1158	
LM End	1.16	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			38.041907 °		38.041907 °
				-121.027235 °		-121.027235 °
DWR ID	23199					
Comment Code						
Inspector Comment						
DS_ID:23199 FS_ID:34877 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_2019_34877_62779.jpg



WS view: CM outfall pipe on channel bank.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.041907 °	38.041907 °	
				-121.027235 °	-121.027235 °	
DWR ID	23199					
Comment Code						
Inspector Comment						
DS_ID:23199						
FS_ID:34877						
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_2019_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_2019_NA0017_159_1128_20190830_00129.jpg



View of a tree stump on the landside 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 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.040197°	38.040197°	
				-121.032044°	-121.032044°	
DWR ID	23200					
Comment Code						
Inspector Comment						
DS_ID:23200 FS_ID:40369 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe needs cleaning and clearing on both pipe ends. FIELD_STRUCT_DESC: 18-inch drainage pipe of an unknown material through the levee, 6 feet below the crown. Grouted spillway on the waterside (WS) end. Electrical conduit through the levee. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 1.49)]. FS Date: 4/9/2014						

LM Start	1.46	Rating **	M	Issue No.	1159 (cont)
LM End	1.46	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_40369_62785.jpg



WS view: outlet CM pipe on levee slope.

Photo 2 of 3 : UCIP_FA_2019_40369_62784.jpg



WS view: inside view of the outlet pipe. Needs cleaning and clearing.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.040197°	38.040197°	
				-121.032044°	-121.032044°	
DWR ID	23200					
Comment Code						
Inspector Comment						
DS_ID:23200						
FS_ID:40369						
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_2019_40369_62783.jpg



LS view: buried inlet pipe. Needs cleaning and clearing.

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_f_2019_18				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : FA_2019_NA0017_159_18_20190830_00023.jpg



Picture of the slope instability at the waterside slope of the levee looking upstream.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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_f_2019_18					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						

Photo 2 of 2 : FA_2019_NA0017_159_18_20190830_00024.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_2019_NA0017_159_159_20190830_00083.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 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	3.55	Rating **	C	Issue No.	218
LM End	3.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.021701 °	38.021701 °
				-121.061178 °	-121.061178 °
DWR ID	DWR_NA0017_15_s_2016_218				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	3.77	Rating **	U	Issue No.	208
LM End	3.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.019253 °	38.019253 °
				-121.063867 °	-121.063867 °
DWR ID	DWR_NA0017_15_s_2015_208				
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_2019_NA0017_159_208_20190830_00108.jpg



A rodent hole was found on the waterside of the levee. The picture was taken from the opposite side of the levee.

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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_2019_NA0017_159_43_20190830_00031.jpg



Picture of the slope instability on the waterside slope of the levee looking downstream.

LM Start	3.78	Rating **	M	Issue No.	43 (cont)
LM End	3.78	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2019_NA0017_159_43_20190830_00032.jpg



Slope instability was found on the waterside slope of the levee looking downstream.

LM Start	3.79	Rating **	C	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					

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 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	4.51	Rating **	M	Issue No.	133 (cont)	
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 2 of 2 : FA_2019_NA0017_159_133_20190830_00065.jpg



Erosion was found on the waterside shoulder of the levee looking downstream.

LM Start	4.58	Rating **	M	Issue No.	189
LM End	4.58	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			38.008883 °	38.008883 °
				-121.069850 °	-121.069850 °
DWR ID	DWR_NA0017_15_s_2019_189				
Comment Code					
Inspector Comment					

No Photos

LM Start	4.60	Rating **	C	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

* 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 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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 1 : FA_2019_NA0017_159_96_20190830_00055.jpg



Picture of the slope instability on the waterside slope of the levee looking downstream during spring 2013 inspection.

LM Start	4.64	Rating **	M	Issue No.	188
LM End	4.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.007922 °	38.007922 °
				-121.070192 °	-121.070192 °
DWR ID	DWR_NA0017_15_s_2019_188				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	4.86	Rating **	U	Issue No.	4
LM End	4.86	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.005099 °	38.005099 °
				-121.071910 °	-121.071910 °
DWR ID	NA0017U15RM18.1				
Comment Code					
Inspector Comment					
Site ID: NA0017U15RM18.1 08/28/2019: The original erosion has been repaired with placed loose material, but the site still shows significant erosion approximately 4-ft (W) X 20-ft (H). The erosion was caused by rainfall runoff.					

Photo 1 of 2 : SJR2019_DWR_NA0017_15_s_2017_242_1.JPG



Looking down at the erosion from the bank top.

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

Close view of the erosion.

View of a slip in the waterward levee slope looking downstream.

Looking down at the erosion from the levee top.

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	5.43	Rating **	A/W	Issue No.	140 (cont)	
LM End	5.43	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.998297 °	37.998297 °	
				-121.077821 °	-121.077821 °	
DWR ID	NA0017U15RM17.84					
Comment Code						
Inspector Comment						
Site ID: NA0017U15RM17.84						
08/28/2019: The erosion is located at the levee shoulder, and was caused by rainfall runoff. There does not appear to be a levee at this location, patrol road only.						

Photo 2 of 2 : SJR2019_DWR_NA0017_15_f _ 2017_161_2.jpg



Close-up view of the erosion.

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	DRAFT DWR UCIP LMA Responsibility			37.997990 °	37.997990 °	
				-121.078092 °	-121.078092 °	
DWR ID	23308					
Comment Code						
Inspector Comment						
DS_ID:23308						
FS_ID:34924						
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_2019_34924_62867.jpg



WS view: no pipe and structure found on waterside. Dense vegetation on channel bank.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.997990 °	37.997990 °
				-121.078092 °	-121.078092 °
DWR ID	23308				
Comment Code					
Inspector Comment					
DS_ID:23308 FS_ID:34924 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_2019_34924_62866.jpg



LS view: inside view of CMP inlet chamber.

LM Start	5.52	Rating **	A/W	Issue No.	130
LM End	5.52	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.997257°	37.997257°
				-121.078775°	-121.078775°
DWR ID	NA0017U15RM17.67				
Comment Code					
Inspector Comment					
Site ID: NA0017U15RM17.67 08/28/2019: The erosion is located at the upper slope of the channel bank, and was likely caused by rainfall runoff. This area is patrol road only.					

Photo 1 of 2 : SJR2019_DWR_NA0017_15_s _ 2016_202_1.jpg



Looking down at the erosion from the levee top.

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	8.39	Rating **	M	Issue No.	82
LM End	8.39	Issue Type +	Ma	Location *	WS
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			37.969776 °	37.969776 °
				-121.116070 °	-121.116070 °
DWR ID	DWR_NA0017_15_s_2017_82				
Comment Code					
Inspector Comment					
Clear out vegetation in the channel before it becomes more obstructed					

Photo 1 of 1 : FA_2019_NA0017_159_82_20190830_00052.jpg



View of arundo on the waterside toe of the levee.

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					
E1 : Note and monitor erosion site.					
Inspector Comment					
Monitor erosion site but should repair before it impacts patrol road.					

Photo 1 of 2 : FA_2019_NA0017_159_65_20190830_00045.jpg



Picture of the slope instability on the waterside of the levee looking upstream during fall 2015 inspection.

LM Start	8.43	Rating **	A/W	Issue No.	65 (cont)
LM End	8.43	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2019_NA0017_159_65_20190830_00046.jpg



View of the slope instability on the waterside of the levee looking downstream during spring 2014 inspection.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	8.43	Rating **	A/W	Issue No.	84
LM End	8.43	Issue Type +	Ma	Location *	
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					
Site ID: NA0017U15RM14.49					
08/29/2019: No significant change observed. More vegetation was observed at the site. This area is patrol road only.					
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.					

LM Start	8.43	Rating **	A/W	Issue No.	84 (cont)
LM End	8.43	Issue Type +	Ma	Location *	

Photo 1 of 3 : SJR2019_NA0017U15RM14.49_1.JPG



Looking down at the erosion site from the levee crest. Erosion was covered by dried vegetation.

Photo 2 of 3 : SJR2019_NA0017U15RM14.49_2.JPG



Close-up view of the erosion site covered by dense vegetation.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	8.43	Rating **	A/W	Issue No.	84 (cont)	
LM End	8.43	Issue Type +	Ma	Location *		
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						
Site ID: NA0017U15RM14.49						
08/29/2019: No significant change observed. More vegetation was observed at the site. This area is patrol road only.						
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.						

Photo 3 of 3 : SJR2019_NA0017U15RM14.49_3.JPG



Close-up view of the erosion site.

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	DRAFT DWR UCIP LMA Responsibility			37.969690 °	37.969690 °	
				-121.117404 °	-121.117404 °	
DWR ID	23227					
Comment Code						
Inspector Comment						
DS_ID:23227						
FS_ID:40386						
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_2019_40386_63765.jpg



WS view: no pipe or appurtenances found on waterside. Dense vegetation.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.969690°	37.969690°	
				-121.117404°	-121.117404°	
DWR ID	23227					
Comment Code						
Inspector Comment						
DS_ID:23227						
FS_ID:40386						
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_2019_40386_63764.jpg



LS view: distorted CM outlet pipe on levee slope.

LM Start	8.46	Rating **	M	Issue No.	1175 (cont)
LM End	8.46	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_40386_63763.jpg



LS view: closer view of distorted CM outlet pipe on levee slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.968500 °	37.968500 °	
				-121.121130 °	-121.121130 °	
DWR ID	23229					
Comment Code						
Inspector Comment						
DS_ID:23229 FS_ID:40387 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						

Photo 1 of 2 : UCIP_FA_2019_40387_62949.jpg



WS view: no pipe or appurtenances found. Steep levee slope.

LM Start	8.69	Rating **	M	Issue No.	1176 (cont)
LM End	8.69	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_FA_2019_40387_62948.jpg



LS view: distorted CM inlet pipe. Partially buried.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	8.81	Rating **	A/W	Issue No.	7
LM End	8.83	Issue Type +	Ma	Location *	
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					
Site ID: NA0017U15RM13.87					
08/29/2019: No significant change observed, this area only has patrol road.					
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.					

LM Start	8.81	Rating **	A/W	Issue No.	7 (cont)
LM End	8.83	Issue Type +	Ma	Location *	

Photo 1 of 3 : SJR2019_NA0017U15RM13.87_1.JPG



View of the site from left river bank.

Photo 2 of 3 : SJR2019_NA0017U15RM13.87_3.JPG



Close-up view of the erosion.

LM Start	8.81	Rating **	A/W	Issue No.	7 (cont)
LM End	8.83	Issue Type +	Ma	Location *	

Photo 3 of 3 : SJR2019_NA0017U15RM13.87_4.JPG



Close-up 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 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.966327°	37.966327°	
				-121.135980°	-121.135980°	
DWR ID	23233					
Comment Code						
Inspector Comment						
DS_ID:23233						
FS_ID:34983						
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_2019_34983_62966.jpg



WS view: CM outlet pipe on levee slope.

LM Start	9.55	Rating **	M	Issue No.	1178 (cont)
LM End	9.55	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_34983_62965.jpg



WS view: CM outlet pipe on levee slope.

*** Location**

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

**** Rating**

A : Acceptable 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 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.966327°	37.966327°	
				-121.135980°	-121.135980°	
DWR ID	23233					
Comment Code						
Inspector Comment						
DS_ID:23233 FS_ID:34983 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 3 of 3 : UCIP_FA_2019_34983_62964.jpg



WS view: closer view of CM outlet pipe on levee slope.

LM Start	9.61	Rating **	A/W	Issue No.	6	
LM End	9.63	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			37.965693 °		37.965693 °
				-121.137063 °		-121.137063 °
DWR ID	NA0017U15RM13.25					
Comment Code						
Inspector Comment						
Site ID: NA0017U15RM13.25 08/28/2019: The erosion is located at the lower slope of the channel bank, and is covered by dense vegetation. This area is patrol road only.						

Photo 1 of 3 : SJR2019_DWR_NA0017_15_f_2017_183_1.JPG



Looking at the erosion from other side of the channel.

*** Location**

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

**** Rating**

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

+ Issue Type

Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	9.61	Rating **	A/W	Issue No.	6 (cont)	
LM End	9.63	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.965693 °	37.965693 °	
				-121.137063 °	-121.137063 °	
DWR ID	NA0017U15RM13.25					
Comment Code						
Inspector Comment						
Site ID: NA0017U15RM13.25						
08/28/2019: The erosion is located at the lower slope of the channel bank, and is covered by dense vegetation.						
This area is patrol road only.						

Photo 2 of 3 : SJR2019_DWR_NA0017_15_f_2017_183_2.JPG



Close view of the erosion.

LM Start	9.61	Rating **	A/W	Issue No.	6 (cont)
LM End	9.63	Issue Type +	Ma	Location *	

Photo 3 of 3 : SJR2019_DWR_NA0017_15_f_2017_183_3.JPG



Close-up view of the erosion.

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_2019_NA0017_159_183_20190830_00095.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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.965294 °	37.965294 °	
				-121.140184 °	-121.140184 °	
DWR ID	23235					
Comment Code						
Inspector Comment						
DS_ID:23235 FS_ID:34986 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_2019_34986_62986.jpg



WS view: no pipe or appurtenances found.

LM Start	9.80	Rating **	M	Issue No.	1181 (cont)
LM End	9.80	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_34986_62985.jpg



LS view: partially buried inlet pipe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.965294 °	37.965294 °	
				-121.140184 °	-121.140184 °	
DWR ID	23235					
Comment Code						
Inspector Comment						
DS_ID:23235 FS_ID:34986 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 3 of 3 : UCIP_FA_2019_34986_62984.jpg



LS view: closer view of partially buried inlet pipe. Needs cleaning and clearing.

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	Erosion / Bank Caving			37.965165 °	37.965165 °
				-121.141928 °	-121.141928 °
DWR ID	DWR_NA0017_15_s_2013_68				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
This portion of the levee is non-project. Therefore, the rating was given as A/W.					

Photo 1 of 1 : FA_2019_NA0017_159_68_20190830_00049.jpg



Slope instability was found on the waterside slope of the levee looking downstream.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.965085 °	37.965085 °	
				-121.143999 °	-121.143999 °	
DWR ID	23236					
Comment Code						
Inspector Comment						
DS_ID:23236						
FS_ID:34987						
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	10.01	Rating **	M	Issue No.	1182 (cont)
LM End	10.01	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_34987_62992.jpg



WS view: no pipe or appurtenances found.

Photo 2 of 3 : UCIP_FA_2019_34987_62990.jpg



LS view: partially buried inlet pipe on levee toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.965085 °	37.965085 °	
				-121.143999 °	-121.143999 °	
DWR ID	23236					
Comment Code						
Inspector Comment						
DS_ID:23236						
FS_ID:34987						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: May need cleaning of the pipe.Pipe not visible on waterside.						
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Grouted inlet and outlet.						
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 10.22)].						
FS Date: 4/10/2014						

Photo 3 of 3 : UCIP_FA_2019_34987_62991.jpg



LS view: inside view of partially buried inlet pipe. Needs cleaning.

LM Start	10.26	Rating **	A/W	Issue No.	1183	
LM End	10.26	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.965104 °	37.965104 °	
				-121.148460 °	-121.148460 °	
DWR ID	23237					
Comment Code						
Inspector Comment						
DS_ID:23237						
FS_ID:35003						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: May need cleaning of the inlet pipe. Vegetation debris on inlet box.						
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown. Concrete U-shaped headwall on the landside (LS). Flap gate on the waterside (WS).						
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 10.47)].						
FS Date: 4/10/2014						

Photo 1 of 2 : UCIP_FA_2019_35003_63003.jpg



WS view: CM outfall pipe with flapgate on levee slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	10.26	Rating **	A/W	Issue No.	1183 (cont)	
LM End	10.26	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.965104 °	37.965104 °	
				-121.148460 °	-121.148460 °	
DWR ID	23237					
Comment Code						
Inspector Comment						
DS_ID:23237 FS_ID:35003 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: May need cleaning of the inlet pipe. Vegetation debris on inlet box. FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown. Concrete U-shaped headwall on the landside (LS). Flap gate on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 10.47)]. FS Date: 4/10/2014						

Photo 2 of 2 : UCIP_FA_2019_35003_63002.jpg



LS view: concrete headwall and inlet pipe. Needs cleaning of debris.

LM Start	10.27	Rating **	M	Issue No.	1185	
LM End	10.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.965097 °	37.965097 °	
				-121.148671 °	-121.148671 °	
DWR ID	23238					
Comment Code						
Inspector Comment						
DS_ID:23238						
FS_ID:35005						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe buried on landside. May need cleaning of vegetation debris in inlet opening.						
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 10.49)].						
FS Date: 4/10/2014						

Photo 1 of 2 : UCIP_FA_2019_35005_63011.jpg



WS view: CM outfall pipe with flapgate on levee slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	10.27	Rating **	M	Issue No.	1185 (cont)	
LM End	10.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.965097 °	37.965097 °	
				-121.148671 °	-121.148671 °	
DWR ID	23238					
Comment Code						
Inspector Comment						
DS_ID:23238						
FS_ID:35005						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe buried on landside. May need cleaning of vegetation debris in inlet opening.						
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 10.49)].						
FS Date: 4/10/2014						

Photo 2 of 2 : UCIP_FA_2019_35005_63010.jpg



LS view: vegetation debris in inlet area. Needs cleaning and clearing.

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_2019_NA0017_159_143_20190830_00069.jpg



Erosion bank caving waterside taken from opposite bank looking north.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	10.75	Rating **	A/W	Issue No.	5	
LM End	10.75	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			37.963449 °	37.963449 °	
				-121.157018 °	-121.157018 °	
DWR ID	NA0017U15RM12.12					
Comment Code						
Inspector Comment						
Site ID: NA0017U15RM12.12						
08/28/2019: The erosion is located at the lower slope of the channel bank, and is covered by dense vegetation. This area is patrol road only.						

Photo 1 of 2 : SJR2019_DWR_NA0017_15_s_2018_143_1.JPG



Looking at the erosion from the other side of the channel.

LM Start	10.75	Rating **	A/W	Issue No.	5 (cont)
LM End	10.75	Issue Type +	Ma	Location *	

Photo 2 of 2 : SJR2019_DWR_NA0017_15_s_2018_143_3.JPG



Close-up view of the erosion.

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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	11.02	Rating **	M	Issue No.	255
LM End	11.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.961808 °	37.961808 °
				-121.161464 °	-121.161464 °
DWR ID	DWR_NA0017_15_f_2019_255				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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	DRAFT DWR UCIP LMA Responsibility			37.960784 °	37.960784 °	
				-121.168119 °	-121.168119 °	
DWR ID	23243					
Comment Code						
Inspector Comment						
DS_ID:23243						
FS_ID:35010						
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_2019_35010_63035.jpg



WS view: outlet pipe on grouted riprap on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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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 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	11.55	Rating **	A/W	Issue No.	1188 (cont)	
LM End	11.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.960961 °	37.960961 °	
				-121.170662 °	-121.170662 °	
DWR ID	23244					
Comment Code						
Inspector Comment						
DS_ID:23244 FS_ID:48304 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: New pipe and flapgate. FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Flap gate on the waterside (WS). Headwall with open inlet pipe on the landside (LS). Grouted outlet. [Additional Reference(s): DWR Levee Log, 1992, 18-inch pipe listed. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 11.79) 18-inch pipe listed]. FS Date: 4/14/2014						

Photo 2 of 2 : UCIP_FA_2019_48304_63038.jpg



LS view: inlet pipe and headwall on levee toe. May need cleaning of inlet opening.

LM Start	11.55	Rating **	M	Issue No.	167
LM End	11.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.961001 °	37.961151 °
				-121.170716 °	-121.171388 °
DWR ID	DWR_NA0017_15_s_2019_167				
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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	11.77	Rating **	M	Issue No.	253
LM End	11.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.961756°	37.961756°	
			-121.174529°	-121.174529°	
DWR ID	DWR_NA0017_15_f_2019_253				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	12.12	Rating **	C	Issue No.	164
LM End	12.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.961885°	37.961885°	
			-121.181014°	-121.181014°	
DWR ID	DWR_NA0017_15_s_2019_164				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.961206 °	37.961206 °	
				-121.185819 °	-121.185819 °	
DWR ID	23247					
Comment Code						
Inspector Comment						
DS_ID:23247						
FS_ID:35014						
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 1 of 3 : UCIP_FA_2019_35014_63053.jpg



WS view: slide gates in CMP risers on levee slope.

LM Start	12.39	Rating **	A/W	Issue No.	1189 (cont)
LM End	12.39	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_35014_63052.jpg



WS view: flap gates and headwall on levee slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.961206 °		37.961206 °
				-121.185819 °		-121.185819 °
DWR ID	23247					
Comment Code						
Inspector Comment						
DS_ID:23247						
FS_ID:35014						
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_2019_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	DRAFT DWR UCIP LMA Responsibility			37.961205 °	37.961205 °
				-121.185839 °	-121.185839 °
DWR ID	23454				
Comment Code					
Inspector Comment					
DS_ID:23454					
FS_ID:35015					
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_2019_35015_63059.jpg



WS view: slide gates in CMP risers on levee slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.961205 °		37.961205 °
				-121.185839 °		-121.185839 °
DWR ID	23454					
Comment Code						
Inspector Comment						
DS_ID:23454						
FS_ID:35015						
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_2019_35015_63058.jpg



WS view: headwall and flap gates on CMP ends on levee slope.

LM Start	12.39	Rating **	A/W	Issue No.	1190 (cont)
LM End	12.39	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_35015_63057.jpg



LS view: headwall and inlet pipes on levee slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.961082 °	37.961082 °
				-121.189020 °	-121.189020 °
DWR ID	23249				
Comment Code					
Inspector Comment					
DS_ID:23249					
FS_ID:35043					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: May need cleaning of pipes. Flood wall on waterside shoulder.					
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS). Grouted intake and spillway. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 12.83)].					
FS Date: 4/14/2014					

LM Start	12.56	Rating **	A/W	Issue No.	1192 (cont)
LM End	12.56	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_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_2019_35043_63084.jpg



LS view: U type concrete headwall and CM inlet Pipe on levee slope.
Soil/mud on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable 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 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.961082 °	37.961082 °
				-121.189020 °	-121.189020 °
DWR ID	23249				
Comment Code					
Inspector Comment					
DS_ID:23249 FS_ID:35043 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_2019_35043_63083.jpg



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

LM Start	12.63	Rating **	C	Issue No.	149
LM End	12.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.960984 °	37.960984 °
				-121.190220 °	-121.190220 °
DWR ID	DWR_NA0017_15_s_2019_149				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	12.94	Rating **	M	Issue No.	251
LM End	12.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.960670 °	37.960670 °
				-121.195482 °	-121.195482 °
DWR ID	DWR_NA0017_15_f_2019_251				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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	DRAFT DWR UCIP LMA Responsibility			37.961186 °	37.961186 °
				-121.199150 °	-121.199150 °
DWR ID	23252				
Comment Code					
Inspector Comment					
DS_ID:23252					
FS_ID:35047					
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_2019_35047_63100.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.961186°	37.961186°
				-121.199150°	-121.199150°
DWR ID	23252				

Comment Code

Inspector Comment

DS_ID:23252
FS_ID:35047
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_2019_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_2019_35047_63101.jpg



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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.961446 °	37.961446 °	
				-121.204389 °	-121.204389 °	
DWR ID	23254					
Comment Code						
Inspector Comment						
DS_ID:23254						
FS_ID:35049						
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_2019_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_2019_35049_63112.jpg



LS view: U type concrete headwall and CM inlet Pipe on levee slope.
Soil/mud on inlet box.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	13.47	Rating **	M	Issue No.	1197 (cont)	
LM End	13.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.961446 °	37.961446 °	
				-121.204389 °	-121.204389 °	
DWR ID	23254					
Comment Code						
Inspector Comment						
DS_ID:23254						
FS_ID:35049						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Needs cleaning.						
FIELD_STRUCT_DESC: 36-inch corrugated metal storm drainage pipe through the levee, 8.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS). Grouted spillway. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (Station 0+79)].						
FS Date: 4/14/2014						

Photo 3 of 3 : UCIP_FA_2019_35049_63111.jpg



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

LM Start	13.50	Rating **	A/W	Issue No.	1198
LM End	13.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.961696 °	37.961696 °
				-121.204944 °	-121.204944 °
DWR ID	23257				
Comment Code					
Inspector Comment					
DS_ID:23257					
FS_ID:35064					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: May need cleaning.					
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 9.5 feet below the crown. Concrete U-shaped headwalls on both ends. Grouted spillway and intake. Flap gate on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 13.79)].					
FS Date: 4/14/2014					

Photo 1 of 3 : UCIP_FA_2019_35064_63131.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.961696 °	37.961696 °	
				-121.204944 °	-121.204944 °	
DWR ID	23257					
Comment Code						
Inspector Comment						
DS_ID:23257						
FS_ID:35064						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: May need cleaning.						
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 9.5 feet below the crown. Concrete U-shaped headwalls on both ends. Grouted spillway and intake. Flap gate on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 13.79)].						
FS Date: 4/14/2014						

LM Start	13.50	Rating **	A/W	Issue No.	1198 (cont)
LM End	13.50	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_35064_63130.jpg



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

Photo 3 of 3 : UCIP_FA_2019_35064_63129.jpg



LS view: U type concrete headwall and CM inlet Pipe on levee slope. Soil/mud on inlet box.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	13.93	Rating **	M	Issue No.	144
LM End	13.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.965112°	37.965112°	
			-121.211488°	-121.211488°	
DWR ID	DWR_NA0017_15_s_2019_144				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	14.03	Rating **	M	Issue No.	139
LM End	14.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.965920°	37.965920°	
			-121.213092°	-121.213092°	
DWR ID	DWR_NA0017_15_s_2019_139				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	14.11	Rating **	M	Issue No.	138
LM End	14.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.966513°	37.966513°	
			-121.214268°	-121.214268°	
DWR ID	DWR_NA0017_15_s_2019_138				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	14.21	Rating **	M	Issue No.	250
LM End	14.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.967301 °	37.967301 °
				-121.215788 °	-121.215788 °
DWR ID	DWR_NA0017_15_f_2019_250				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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	DRAFT DWR UCIP LMA Responsibility			37.975060 °	37.975060 °
				-121.232719 °	-121.232719 °
DWR ID	23188				
Comment Code					
Inspector Comment					
DS_ID:23188					
FS_ID:35104					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: May need cleaning.					
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 9.5 feet below the crown. Concrete U-shaped headwall on both ends. Grouted spillway and intake. Flap gate on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 15.58)].					
FS Date: 4/15/2014					

Photo 1 of 3 : UCIP_FA_2019_35104_63192.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.975060°	37.975060°	
				-121.232719°	-121.232719°	
DWR ID	23188					
Comment Code						
Inspector Comment						
DS_ID:23188						
FS_ID:35104						
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 2 of 3 : UCIP_FA_2019_35104_63191.jpg



LS view: U type concrete headwall on levee slope.

LM Start	15.28	Rating **	A/W	Issue No.	1201 (cont)
LM End	15.28	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_35104_63193.jpg



LS view: inside view of CM inlet pipe on levee slope. Debris on inlet pipe. Needs cleaning.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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_2019_NA0017_159_154_20190830_00075.jpg



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

LM Start	15.40	Rating **	A/W	Issue No.	1202
LM End	15.40	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.975790 °	37.975790 °
				-121.234609 °	-121.234609 °
DWR ID	23189				
Comment Code					
Inspector Comment					
DS_ID:23189					
FS_ID:35105					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: May need cleaning.					
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 9.5 feet below the crown. Concrete U-shaped headwall on both ends. Grouted spillway and intake. Flap gate.					
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 15.70)].					
FS Date: 4/15/2014					

Photo 1 of 2 : UCIP_FA_2019_35105_63197.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	15.40	Rating **	A/W	Issue No.	1202 (cont)	
LM End	15.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.975790 °	37.975790 °	
				-121.234609 °	-121.234609 °	
DWR ID	23189					
Comment Code						
Inspector Comment						
DS_ID:23189						
FS_ID:35105						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: May need cleaning.						
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe						
through the levee, 9.5 feet below the crown. Concrete U-shaped						
headwall on both ends. Grouted spillway and intake. Flap gate.						
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin						
O&M Manual 611.1, Volume F, (HLM 15.70)].						
FS Date: 4/15/2014						

Photo 2 of 2 : UCIP_FA_2019_35105_63196.jpg



LS view: U type concrete headwall and CM pipe on levee slope. Debris in inlet pipe.

LM Start	15.40	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			37.975839 °	37.975893 °
				-121.234763 °	-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_2019_NA0017_159_194_20190830_00101.jpg



Picture of the rodent holes on the landside shoulder of the levee. Fall 2017

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	15.50	Rating **	M	Issue No.	248
LM End	17.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.976499°	37.991397°
				-121.236366°	-121.271629°
DWR ID	DWR_NA0017_15_f_2019_248				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	15.55	Rating **	C	Issue No.	166
LM End	15.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.976812°	37.976812°
				-121.237096°	-121.237096°
DWR ID	DWR_NA0017_15_f_2019_166				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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_2019_NA0017_159_197_20190830_00103.jpg



View of rut on the access road (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 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	16.77	Rating **	M	Issue No.	137
LM End	16.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.985238 °	37.985238 °
				-121.256756 °	-121.256756 °
DWR ID	DWR_NA0017_15_s_2019_137				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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	DRAFT DWR UCIP LMA Responsibility			37.989509 °	37.989509 °	
				-121.266860 °	-121.266860 °	
DWR ID	23265					
Comment Code						
Inspector Comment						
DS_ID:23265						
FS_ID:35163						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana)						
Adjacent pipes are: two 14-inch pipes through the levee 3.0 feet below the crown. Steel trash rack on landside intake.						
FIELD_STRUCT_DESC: [Mormon Slough Pumping Plant No. 1] 1 of 3: 30-inch by 30-inch reinforced concrete box drainage culvert through the levee, 17.6 feet below the crown. Slide gate in riser unit on the waterside (WS) slope. Flap gate on the WS end. Concrete U-shaped headwall around all three pipes on the WS. Intake under the pump house on the landside (LS). Steel steps on the LS slope. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 17.74)].						
FS Date: 4/15/2014						

Photo 1 of 3 : UCIP_FA_2019_35163_63285.jpg



WS view: slide gate in a concrete box on levee shoulder.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.989520 °	37.989520 °	
				-121.266878 °	-121.266878 °	
DWR ID	23460					
Comment Code						
Inspector Comment						
DS_ID:23460 FS_ID:35164 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_2019_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_2019_35164_63288.jpg



LS view: siphon breakers in steel pipe risers and pump house on levee slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.989523°	37.989523°
				-121.266886°	-121.266886°
DWR ID	23461				
Comment Code					
Inspector Comment					
DS_ID:23461 FS_ID:35165 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_2019_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_2019_35165_63292.jpg



LS view: siphon breakers in steel pipe risers and pump house on levee slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	17.52	Rating **	M	Issue No.	236
LM End	17.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.990161 °	37.991856 °
				-121.268725 °	-121.272304 °
DWR ID	DWR_NA0017_15_f_2019_236				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
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	DRAFT DWR UCIP LMA Responsibility			37.991126 °	37.991126 °	
				-121.271062 °	-121.271062 °	
DWR ID	23267					
Comment Code						
Inspector Comment						
DS_ID:23267						
FS_ID:35183						
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_2019_35183_63325.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility		37.991126°	37.991126°	
			-121.271062°	-121.271062°	
DWR ID	23267				

Comment Code

Inspector Comment

DS_ID:23267
FS_ID:35183
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_2019_35183_63324.jpg



LS view: CMP riser on levee shoulder.

Photo 3 of 3 : UCIP_FA_2019_35183_63323.jpg



LS view: inside view of CMP riser on levee shoulder. It needs cleaning and clearing.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.994695 °	37.994695 °
				-121.278191 °	-121.278191 °
DWR ID	23462				
Comment Code					
Inspector Comment					
DS_ID:23462					
FS_ID:35463					
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	18.17	Rating **	A/W	Issue No.	1214 (cont)
LM End	18.17	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_35463_63782.jpg



WS view: outlet structure with two flapgates and concrete spillway on levee toe.

Photo 2 of 3 : UCIP_FA_2019_35463_63781.jpg



WS view: two slide gates in concrete box on levee shoulder.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.994695 °	37.994695 °
				-121.278191 °	-121.278191 °
DWR ID	23462				
Comment Code					
Inspector Comment					
DS_ID:23462					
FS_ID:35463					
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_2019_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	DRAFT DWR UCIP LMA Responsibility			37.994753 °		37.994753 °
				-121.278107 °		-121.278107 °
DWR ID	23269					
Comment Code						
Inspector Comment						
DS_ID:23269						
FS_ID:35203						
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_2019_35203_63345.jpg



LS view: U type concrete headwall and CM pipe on levee slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.994753 °	37.994753 °
				-121.278107 °	-121.278107 °
DWR ID	23269				
Comment Code					
Inspector Comment					
DS_ID:23269 FS_ID:35203 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 2 of 3 : UCIP_FA_2019_35203_63344.jpg



WS view: slide gate in CMP riser on levee slope. Slide gate handle missing.

LM Start	18.17	Rating **	M	Issue No.	1215 (cont)
LM End	18.17	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_35203_63343.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.994938 °	37.994938 °
				-121.275529 °	-121.275529 °
DWR ID	23270				
Comment Code					
Inspector Comment					
DS_ID:23270					
FS_ID:35204					
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	18.32	Rating **	A/W	Issue No.	1216 (cont)
LM End	18.32	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2019_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_2019_35204_63348.jpg



LS view: U type concrete headwall and CM pipe on levee slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.000116°	38.000116°	
				-121.269301°	-121.269301°	
DWR ID	23464					
Comment Code						
Inspector Comment						
DS_ID:23464 FS_ID:35206 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_2019_35206_63361.jpg



WS view: slide gate in a concrete box on levee shoulder.

LM Start	18.88	Rating **	A/W	Issue No.	1218 (cont)
LM End	18.88	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_35206_63360.jpg



WS view: U type concrete headwall, CM pipe with flapgate, and concrete spillway on levee slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.000116°	38.000116°	
				-121.269301°	-121.269301°	
DWR ID	23464					
Comment Code						
Inspector Comment						
DS_ID:23464 FS_ID:35206 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_2019_35206_63359.jpg



LS view: U type concrete headwall and CM pipe on levee slope.

LM Start	18.90	Rating **	C	Issue No.	210
LM End	18.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.000064°	38.000064°
				-121.269701°	-121.269701°
DWR ID	DWR_NA0017_15_s_2018_210				
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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	19.15	Rating **	M	Issue No.	233
LM End	19.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.998160°	37.995981°	
			-121.273298°	-121.275560°	
DWR ID	DWR_NA0017_15_f_2019_233				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	19.88	Rating **	M	Issue No.	231
LM End	19.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.993800°	37.993800°	
			-121.284008°	-121.284008°	
DWR ID	DWR_NA0017_15_f_2019_231				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	19.92	Rating **	C	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					

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 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	19.97	Rating **	M	Issue No.	1221
LM End	19.97	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.993645 °	37.993645 °
				-121.285805 °	-121.285805 °
DWR ID	23274				

Comment Code

Inspector Comment

DS_ID:23274
FS_ID:53535
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 11/16/2018 Internal video inspection revealed a concrete plug in the pipe, 49.2 feet from the outlet on the WS. Pipe improperly abandoned. Abandon properly or remove from levee. Crossing escalated to "Non-Urgent" due to the improper abandonment. Material type changed from steel to reinforced concrete. (A. McDonald - DWR UCIP) Concrete headwall not found on the LS. Manhole found on the LS.
FIELD_STRUCT_DESC: *ABANDONED* 24-inch reinforced concrete gravity drainage pipe through the levee, 12 feet below the crown. Flap gate and concrete headwall on the waterside (WS). Manhole on the landside (LS). Pipe partially plugged with concrete on the LS.
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 20.14)].
FS Date: 11/16/2018

LM Start	19.97	Rating **	M	Issue No.	1221 (cont)
LM End	19.97	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_53535_63421.jpg



WS view: concrete headwall and steel pipe with flapgate on levee slope.
Vegetation and debris on spillway.

Photo 2 of 3 : UCIP_FA_2019_53535_63420.jpg



LS view: a manhole on levee toe.

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

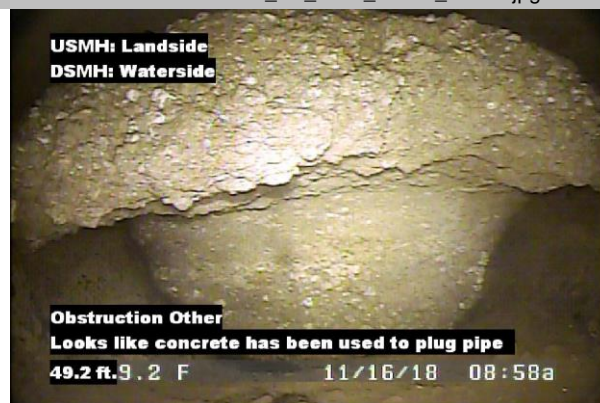
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	19.97	Rating **	M	Issue No.	1221 (cont)	
LM End	19.97	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.993645 °	37.993645 °	
				-121.285805 °	-121.285805 °	
DWR ID	23274					
Comment Code						
Inspector Comment						
DS_ID:23274 FS_ID:53535 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/16/2018 Internal video inspection revealed a concrete plug in the pipe, 49.2 feet from the outlet on the WS. Pipe improperly abandoned. Abandon properly or remove from levee. Crossing escalated to "Non-Urgent" due to the improper abandonment. Material type changed from steel to reinforced concrete. (A. McDonald - DWR UCIP)Concrete headwall not found on the LS. Manhole found on the LS. FIELD_STRUCT_DESC: *ABANDONED* 24-inch reinforced concrete gravity drainage pipe through the levee, 12 feet below the crown. Flap gate and concrete headwall on the waterside (WS). Manhole on the landside (LS). Pipe partially plugged with concrete on the LS. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 20.14)]. FS Date: 11/16/2018						

Photo 3 of 3 : UCIP_FA_2019_53535_78645.jpg



Internal inspection reveals a concrete plug on the LS.

LM Start	19.99	Rating **	N	Issue No.	103
LM End	19.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.993578 °	37.993578 °
				-121.286165 °	-121.286165 °
DWR ID	DWR_NA0017_15_f_2013_103				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	20.22	Rating **	M	Issue No.	230
LM End	20.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.993652°	37.993482°	
			-121.290097°	-121.290976°	
DWR ID	DWR_NA0017_15_f_2019_230				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	20.25	Rating **	M	Issue No.	229
LM End	20.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.993517°	37.993215°	
			-121.290736°	-121.292238°	
DWR ID	DWR_NA0017_15_f_2019_229				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	20.44	Rating **	C	Issue No.	212
LM End	20.44	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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	21.78	Rating **	M	Issue No.	207
LM End	21.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.982873°	37.982716°	
			-121.312597°	-121.312861°	
DWR ID	DWR_NA0017_15_f_2019_207				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	21.81	Rating **	C	Issue No.	134
LM End	21.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.982676°	37.982676°	
			-121.312909°	-121.312909°	
DWR ID	DWR_NA0017_15_s_2019_134				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	21.84	Rating **	M	Issue No.	206
LM End	21.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.982352°	37.982352°	
			-121.313352°	-121.313352°	
DWR ID	DWR_NA0017_15_f_2019_206				
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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	21.95	Rating **	C	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.					

No Photos

LM Start	22.36	Rating **	M	Issue No.	200
LM End	22.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.981417 °	37.981417 °
				-121.321392 °	-121.321392 °
DWR ID	DWR_NA0017_15_f_2019_200				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	22.50	Rating **	M	Issue No.	196
LM End	22.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.981720 °	37.981720 °
				-121.323989 °	-121.323989 °
DWR ID	DWR_NA0017_15_f_2019_196				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	22.51	Rating **	M	Issue No.	195
LM End	22.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.981732°	37.981732°
				-121.324087°	-121.324087°
DWR ID	DWR_NA0017_15_f_2019_195				
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_2019_NA0017_159_195_20191118_00307.jpg



View of rodent holes on waterside slope. Fall 2019

LM Start	22.51	Rating **	M	Issue No.	195 (cont)
LM End	22.51	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2019_NA0017_159_195_20191118_00308.jpg



View of rodent holes on waterside slope. Fall 2019

LM Start	22.54	Rating **	C	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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	22.55	Rating **	M	Issue No.	190
LM End	22.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.981920 °	37.981920 °
				-121.324943 °	-121.324943 °
DWR ID	DWR_NA0017_15_f_2019_190				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	23.12	Rating **	M	Issue No.	172
LM End	23.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.980815 °	37.980184 °
				-121.334863 °	-121.336500 °
DWR ID	DWR_NA0017_15_f_2019_172				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	23.38	Rating **	M	Issue No.	169
LM End	23.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.980038 °	37.980038 °
				-121.339443 °	-121.339443 °
DWR ID	DWR_NA0017_15_f_2019_169				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0017_159_169_20191118_00302.jpg



View of tree that needs to be trimmed at least 5 feet above ground on roadside slope. Fall 2019

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	23.58	Rating **	M	Issue No.	148
LM End	23.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.979019°	37.977205°
				-121.342322°	-121.344854°
DWR ID	DWR_NA0017_15_f_2019_148				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0017_159_148_20191118_00301.jpg



View of vegetation on landside slope. Fall 2019

LM Start	23.73	Rating **	M	Issue No.	129
LM End	23.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.977576°	37.975750°
				-121.344388°	-121.346565°
DWR ID	DWR_NA0017_15_f_2019_129				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	23.84	Rating **	N	Issue No.	176
LM End	23.84	Issue Type +	Ma	Location *	WS
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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	10/31/2019 11/12/2019	Alberto De Leon

LM Start	23.86	Rating **	M	Issue No.	128
LM End	23.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.976236 °	37.976236 °
				-121.346023 °	-121.346023 °
DWR ID	DWR_NA0017_15_f_2019_128				
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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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San Joaquin County Flood Control and Water Conservation District

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	0.11	Rating **	A/W	Issue No.	133 (cont)	
LM End	0.47	Issue Type +	Ma	Location *		
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						
Site ID: NA0017U16RM23.35						
08/28/2019: No significant change observed.						
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.						

Photo 3 of 3 : SJR2019_NA0017U16RM23.35_7.jpg



Close-up view of the erosion.

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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	0.93	Rating **	A/W	Issue No.	86	
LM End	0.95	Issue Type +	Ma	Location *		
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						
Site ID: NA0017U16RM22.74 08/28/2019: No significant change observed. 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.						

LM Start	0.93	Rating **	A/W	Issue No.	86 (cont)
LM End	0.95	Issue Type +	Ma	Location *	

Photo 1 of 3 : SJR2019_NA0017U16RM22.74_1.jpg



View of the site from right river bank.

Photo 2 of 3 : SJR2019_NA0017U16RM22.74_3.jpg



Close-up 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 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	1.12	Rating **	A/W	Issue No.	83 (cont)
LM End	1.12	Issue Type +	Ma	Location *	
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

Site ID: NA0017U16RM22.58
 08/28/2019: No significant change observed.
 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.

LM Start	1.12	Rating **	A/W	Issue No.	83 (cont)
LM End	1.12	Issue Type +	Ma	Location *	

Photo 2 of 3 : SJR2019_NA0017U16RM22.58_2.jpg



Close-up view of the erosion.

Photo 3 of 3 : SJR2019_NA0017U16RM22.58_3.jpg



Front view of the erosion.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	1.59	Rating **	A/W	Issue No.	82
LM End	1.59	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.038751 °	38.038751 °
				-121.037347 °	-121.037347 °
DWR ID	NA0017U16RM22.15				

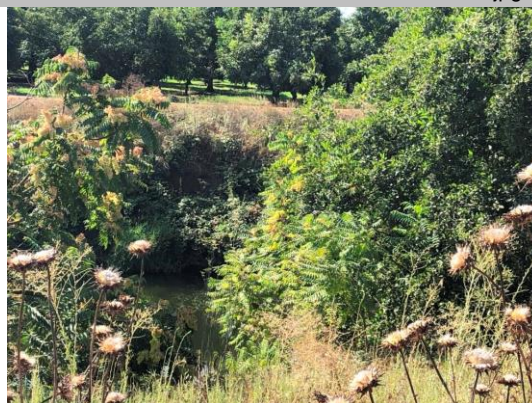
Comment Code

Inspector Comment

Site ID: NA0017U16RM22.15
 08/28/2019: No significant change observed.
 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.

LM Start	1.59	Rating **	A/W	Issue No.	82 (cont)
LM End	1.59	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2019_NA0017U16RM22.15_1.jpg



Front view of the erosion.

Photo 2 of 2 : SJR2019_NA0017U16RM22.15_2.jpg



Close-up 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 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	1.67	Rating **	A/W	Issue No.	80
LM End	1.68	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		38.038671 °	38.038671 °	
			-121.037405 °	-121.037405 °	
DWR ID	NA0017U16RM22.01				

Comment Code

Inspector Comment

Site ID: NA0017U16RM22.01
 08/28/2019: No significant change observed. This area is patrol road only.
 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.

LM Start	1.67	Rating **	A/W	Issue No.	80 (cont)
LM End	1.68	Issue Type +	Ma	Location *	

Photo 1 of 3 : SJR2019_NA0017U16RM22.01_2.jpg



Close-up view of the erosion site.

Photo 2 of 3 : SJR2019_NA0017U16RM22.01_4.jpg



Looking at the erosion from the other side of the channel..

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	1.67	Rating **	A/W	Issue No.	80 (cont)	
LM End	1.68	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			38.038671 °	38.038671 °	
				-121.037405 °	-121.037405 °	
DWR ID	NA0017U16RM22.01					
Comment Code						
Inspector Comment						
Site ID: NA0017U16RM22.01						
08/28/2019: No significant change observed. This area is patrol road only.						
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.						

Photo 3 of 3 : SJR2019_NA0017U16RM22.01_3.jpg



Close-up view of the pocket erosion. Note the small trees at the site.

LM Start	1.75	Rating **	A/W	Issue No.	76
LM End	1.76	Issue Type +	Ma	Location *	
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					
Site ID: NA0017U16RM21.95					
08/28/2019: No significant change observed. This area is patrol road only.					
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.					

Photo 1 of 3 : SJR2019_NA0017U16RM21.95_1.jpg



Front view of the erosion site.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	1.75	Rating **	A/W	Issue No.	76 (cont)	
LM End	1.76	Issue Type +	Ma	Location *		
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

Site ID: NA0017U16RM21.95
 08/28/2019: No significant change observed. This area is patrol road only.
 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.

LM Start	1.75	Rating **	A/W	Issue No.	76 (cont)
LM End	1.76	Issue Type +	Ma	Location *	

Photo 2 of 3 : SJR2019_NA0017U16RM21.95_2.jpg



Front view of the erosion.

Photo 3 of 3 : SJR2019_NA0017U16RM21.95_3.jpg



Front view of the erosion.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	1.77	Rating **	A/W	Issue No.	75
LM End	1.78	Issue Type +	Ma	Location *	
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					

Comment Code

Inspector Comment

Site ID: NA0017U16RM21.94

08/28/2019: No significant change observed. This area is patrol road only.

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.

LM Start	1.77	Rating **	A/W	Issue No.	75 (cont)
LM End	1.78	Issue Type +	Ma	Location *	

Photo 1 of 3 : SJR2019_NA0017U16RM21.94_1.jpg



Looking at the erosion from right river bank.

Photo 2 of 3 : SJR2019_NA0017U16RM21.94_2.jpg



Front view of the erosion.

*** Location**

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

**** Rating**

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

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	1.77	Rating **	A/W	Issue No.	75 (cont)	
LM End	1.78	Issue Type +	Ma	Location *		
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						
Site ID: NA0017U16RM21.94						
08/28/2019: No significant change observed. This area is patrol road only.						
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.						

Photo 3 of 3 : SJR2019_NA0017U16RM21.94_3.jpg



Close-up view of the erosion.

LM Start	1.88	Rating **	A/W	Issue No.	74
LM End	1.90	Issue Type +	Ma	Location *	
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					
Site ID: NA0017U16RM21.05					
08/28/2019: No significant change observed. This area is patrol road only.					
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.					

Photo 1 of 3 : SJR2019_NA0017U16RM21.05_1.jpg



Front view of the erosion

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	1.88	Rating **	A/W	Issue No.	74 (cont)
LM End	1.90	Issue Type +	Ma	Location *	
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

Site ID: NA0017U16RM21.05
 08/28/2019: No significant change observed. This area is patrol road only.
 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.

LM Start	1.88	Rating **	A/W	Issue No.	74 (cont)
LM End	1.90	Issue Type +	Ma	Location *	

Photo 2 of 3 : SJR2019_NA0017U16RM21.05_3.jpg



Close-up view of the erosion.

Photo 3 of 3 : SJR2019_NA0017U16RM21.05_2.jpg



Front view of the erosion.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	1.91	Rating **	A/W	Issue No.	72	
LM End	1.91	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			38.036248 °	38.036248 °	
				-121.040408 °	-121.040408 °	
DWR ID	NA0017U16RM21.03					
Comment Code						
Inspector Comment						
Site ID: NA0017U16RM21.03						
08/28/2019: There is no levee at the site.						

Photo 1 of 3 : SJR2019_DWR_NA0017_16_f_2013_155_2.JPG



Looking at the erosion from the other side of the channel.

LM Start	1.91	Rating **	A/W	Issue No.	72 (cont)
LM End	1.91	Issue Type +	Ma	Location *	

Photo 2 of 3 : SJR2019_DWR_NA0017_16_f_2013_155_1.JPG



Close view of the erosion. Note the dense vegetation at the site.

LM Start	1.91	Rating **	A/W	Issue No.	72 (cont)
LM End	1.91	Issue Type +	Ma	Location *	

Photo 3 of 3 : SJR2019_DWR_NA0017_16_f_2013_155_3.JPG



Close-up 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 2019

San Joaquin County Flood Control and Water Conservation District

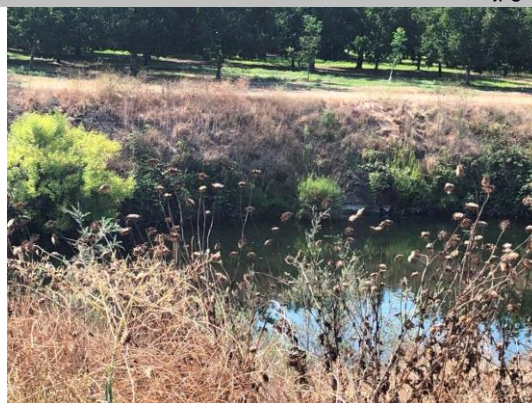
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	11/12/2019 11/13/2019	Alberto De Leon

LM Start	2.01	Rating **	C	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					

No Photos

LM Start	2.30	Rating **	A/W	Issue No.	66	
LM End	2.31	Issue Type +	Ma	Location *		
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						
Site ID: NA0017U16RM20.62						
08/28/2019: No significant change observed. This area is patrol road only.						
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.						

Photo 1 of 3 : SJR2019_NA0017U16RM20.62_1.jpg



Front view of the site.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	2.30	Rating **	A/W	Issue No.	66 (cont)
LM End	2.31	Issue Type +	Ma	Location *	
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

Site ID: NA0017U16RM20.62

08/28/2019: No significant change observed. This area is patrol road only.

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.

LM Start	2.30	Rating **	A/W	Issue No.	66 (cont)
LM End	2.31	Issue Type +	Ma	Location *	

Photo 2 of 3 : SJR2019_NA0017U16RM20.62_2.jpg



Close-up view of the erosion. Note the vegetation at the site.

Photo 3 of 3 : SJR2019_NA0017U16RM20.62_3.jpg



Front view of the erosion.

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

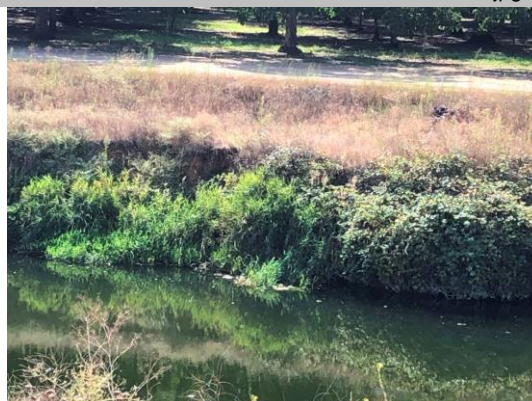
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	2.30	Rating **	A/W	Issue No.	70 (cont)	
LM End	2.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			38.032670 °	38.032670 °	
				-121.044700 °	-121.044700 °	
DWR ID	NA0017U16RM20.71					
Comment Code						
Inspector Comment						
Site ID: NA0017U16RM20.71						
08/28/2019: No significant change observed. This area patrol road only.						
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.						

Photo 3 of 3 : SJR2019_NA0017U16RM20.71_3.jpg



Close-up view of the erosion.

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_2019_NA0017_160_213_20190830_00167.jpg



Picture of the slope instability on the waterside shoulder of the levee looking upstream.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.030548 °	38.030548 °
				-121.046998 °	-121.046998 °
DWR ID	23323				
Comment Code					
Inspector Comment					
DS_ID:23323 FS_ID:35551 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Heavy vegetation obscuring outlet. remove vegetation and verify flapgate installed. FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe, 3 feet below the roadway. Grouted spillway. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 2.52)]. FS Date: 4/24/2014					

Photo 1 of 2 : UCIP_FA_2019_35551_64000.jpg



Pipe visible on LS toe.

LM Start	2.45	Rating **	M	Issue No.	806 (cont)
LM End	2.45	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_FA_2019_35551_63999.jpg



Grout over pipe on WS. Heavy vegetation blocking view of outlet.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.028210 °	38.028210 °
				-121.050220 °	-121.050220 °
DWR ID	23446				
Comment Code					
Inspector Comment					
DS_ID:23446 FS_ID:53506 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	2.70	Rating **	M	Issue No.	807 (cont)
LM End	2.70	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_53506_64067.jpg



Pipe inlet on LS toe.

Photo 2 of 3 : UCIP_FA_2019_53506_64066.jpg



Pipe outlet on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			38.028210 °		38.028210 °
				-121.050220 °		-121.050220 °
DWR ID	23446					
Comment Code						
Inspector Comment						
DS_ID:23446						
FS_ID:53506						
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_2019_53506_64065.jpg



inside pipe on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	2.85	Rating **	A/W	Issue No.	64
LM End	2.91	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		38.026781°	38.026781°	
			-121.053147°	-121.053147°	

DWR ID NA0017U16RM20

Comment Code

Inspector Comment

Site ID: NA0017U16RM20

08/28/2019: No significant change observed. This area is patrol road only.

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.

LM Start	2.85	Rating **	A/W	Issue No.	64 (cont)
LM End	2.91	Issue Type +	Ma	Location *	

Photo 1 of 3 : SJR2019_NA0017U16RM20.00_1.jpg



Front view of the erosion.

Photo 2 of 3 : SJR2019_NA0017U16RM20.00_2.jpg



Close-up 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 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	2.85	Rating **	A/W	Issue No.	64 (cont)	
LM End	2.91	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			38.026781 °	38.026781 °	
				-121.053147 °	-121.053147 °	
DWR ID	NA0017U16RM20					
Comment Code						
Inspector Comment						
Site ID: NA0017U16RM20						
08/28/2019: No significant change observed. This area is patrol road only.						
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.						

Photo 3 of 3 : SJR2019_NA0017U16RM20.00_3.jpg



Close-up view of the erosion.

LM Start	2.95	Rating **	M	Issue No.	218
LM End	2.95	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.026132 °	38.026132 °
				-121.054094 °	-121.054094 °
DWR ID	DWR_NA0017_16_f_2019_218				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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						
E1 : Note and monitor erosion site.						
Inspector Comment						
This portion of the levee is non-project. Therefore, an A/W rating was given.						

Photo 2 of 2 : FA_2019_NA0017_160_230_20190830_00172.jpg



Erosion was found on the waterside slope of the levee looking upstream.

LM Start	3.61	Rating **	A/W	Issue No.	60
LM End	3.61	Issue Type +	Ma	Location *	
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					
Site ID: NA0017U16RM19.29					
08/28/2019: No significant change observed. Patrol road only at this location.					
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.					

Photo 1 of 3 : SJR2019_NA0017U16RM19.29_1.JPG



View of the site from right river bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable 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 2019

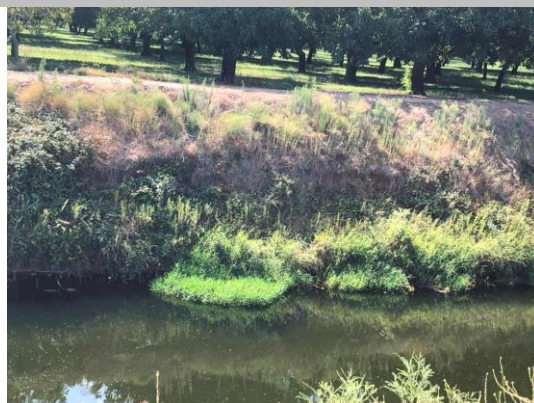
San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	11/12/2019 11/13/2019	Alberto De Leon

LM Start	3.61	Rating **	A/W	Issue No.	60 (cont)	
LM End	3.61	Issue Type +	Ma	Location *		
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						
Site ID: NA0017U16RM19.29						
08/28/2019: No significant change observed. Patrol road only at this location.						
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.						

LM Start	3.61	Rating **	A/W	Issue No.	60 (cont)
LM End	3.61	Issue Type +	Ma	Location *	

Photo 2 of 3 : SJR2019_NA0017U16RM19.29_2.JPG



Close-up view of the erosion.

Photo 3 of 3 : SJR2019_NA0017U16RM19.29_5.JPG



Close-up view of the erosion. Note the dense vegetation at the site.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	3.78	Rating **	A/W	Issue No.	54
LM End	3.80	Issue Type +	Ma	Location *	
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

Site ID: NA0017U16RM19.18
 08/28/2019: No significant change observed. This area is patrol road only.
 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.

LM Start	3.78	Rating **	A/W	Issue No.	54 (cont)
LM End	3.80	Issue Type +	Ma	Location *	

Photo 1 of 3 : SJR2019_NA0017U16RM19.18_1.jpg



View of the site from right river bank.

Photo 2 of 3 : SJR2019_NA0017U16RM19.18_2.jpg



Close-up 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 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	3.78	Rating **	A/W	Issue No.	54 (cont)	
LM End	3.80	Issue Type +	Ma	Location *		
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						
Site ID: NA0017U16RM19.18 08/28/2019: No significant change observed. This area is patrol road only. 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.						

Photo 3 of 3 : SJR2019_NA0017U16RM19.18_5.jpg



Front view of the erosion at the berm.

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	LMA-302				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion is on the waterside slope; The photo was taken 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_2019_475_2258.jpg



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

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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	4.16	Rating **	A/W	Issue No.	49
LM End	4.18	Issue Type +	Ma	Location *	
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

Site ID: NA0017U16RM18.69

08/28/2019: No significant change observed. This area is patrol road only.

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.

LM Start	4.16	Rating **	A/W	Issue No.	49 (cont)
LM End	4.18	Issue Type +	Ma	Location *	

Photo 1 of 3 : SJR2019_NA0017U16RM18.69_1.jpg



View of the erosion site.

Photo 2 of 3 : SJR2019_NA0017U16RM18.69_3.jpg



View of the new erosion under the irrigation pipe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	4.16	Rating **	A/W	Issue No.	49 (cont)	
LM End	4.18	Issue Type +	Ma	Location *		
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						
Site ID: NA0017U16RM18.69						
08/28/2019: No significant change observed. This area is patrol road only.						
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.						

Photo 3 of 3 : SJR2019_NA0017U16RM18.69_2.jpg



Close-up 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	Erosion / Bank Caving			38.012288 °	38.012288 °
				-121.068239 °	-121.068239 °
DWR ID	DWR_NA0017_16_f_2012_228				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
This portion of the levee is non-project. Therefore, an A/W rating was given.					

Photo 1 of 2 : FA_2019_NA0017_160_228_20190830_00169.jpg



Picture of the slope instability on the waterside of the levee looking downstream.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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	Erosion / Bank Caving			38.012288 °	38.012288 °	
				-121.068239 °	-121.068239 °	
DWR ID	DWR_NA0017_16_f_2012_228					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
This portion of the levee is non-project. Therefore, an A/W rating was given.						

Photo 2 of 2 : FA_2019_NA0017_160_228_20190830_00170.jpg



Slope instability was found on the waterside shoulder of the levee looking downstream.

LM Start	4.27	Rating **	M	Issue No.	223
LM End	4.27	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.011365 °	38.011365 °
				-121.068509 °	-121.068509 °
DWR ID	DWR_NA0017_16_f_2019_223				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

LM Start	4.27	Rating **	C	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.					

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 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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					
E1 : Note and monitor erosion site.					
Inspector Comment					
The erosion may cut into the access road if it is not repaired.					

Photo 1 of 1 : FA_2019_NA0017_160_243_20190830_00181.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_2019_NA0017_160_245_20190830_00185.jpg



View of erosion on the waterside slope of the levee looking downstream.

*** Location**

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

**** Rating**

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

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	4.86	Rating **	A/W	Issue No.	47
LM End	4.86	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.003624 °	38.003624 °
				-121.072585 °	-121.072585 °
DWR ID	NA0017U16RM17.99				
Comment Code					
Inspector Comment					
Site ID: NA0017U16RM17.99					
10/29/2019: No new erosion was found at the repaired site. This area is patrol road only.					
08/30/2017: No sign of new erosion observed at the repaired site.					
08/16/2016: This site was repaired recently. No sign of new erosion observed at the repaired site.					
08/12/2015: No significant change observed.					
08/20/2014: No significant change observed.					
09/12/2013: Site has been surveyed and the pocket erosion has developed toward levee crest.					
08/22/2012: A pocket erosion at the levee toe and on lower slope. The levee surface at the upper slope also shows signs of erosion due to poor maintenance. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field.					

LM Start	4.86	Rating **	A/W	Issue No.	47 (cont)
LM End	4.86	Issue Type +	Ma	Location *	

Photo 1 of 3 : SJR2019_NA0017U16RM17.99_2.jpg



View of the repaired site from downstream at the right river bank.

Photo 2 of 3 : SJR2019_NA0017U16RM17.99_3.jpg



Close-up view of the repaired erosion site.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	4.86	Rating **	A/W	Issue No.	47 (cont)	
LM End	4.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			38.003624 °	38.003624 °	
				-121.072585 °	-121.072585 °	
DWR ID	NA0017U16RM17.99					
Comment Code						
Inspector Comment						
Site ID: NA0017U16RM17.99 10/29/2019: No new erosion was found at the repaired site. This area is patrol road only. 08/30/2017: No sign of new erosion observed at the repaired site. 08/16/2016: This site was repaired recently. No sign of new erosion observed at the repaired site. 08/12/2015: No significant change observed. 08/20/2014: No significant change observed. 09/12/2013: Site has been surveyed and the pocket erosion has developed toward levee crest. 08/22/2012: A pocket erosion at the levee toe and on lower slope. The levee surface at the upper slope also shows signs of erosion due to poor maintenance. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field.						

Photo 3 of 3 : SJR2019_NA0017U16RM17.99_4.jpg



Close-up view of the repaired erosion site.

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_2019_NA0017_160_265_20190830_00193.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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	5.33	Rating **	A/W	Issue No.	46
LM End	5.38	Issue Type +	Ma	Location *	
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

Site ID: NA0017U16RM17.81

08/28/2019: No significant change observed. This area is patrol road only.

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.

LM Start	5.33	Rating **	A/W	Issue No.	46 (cont)
LM End	5.38	Issue Type +	Ma	Location *	

Photo 1 of 3 : SJR2019_NA0017U16RM17.81_1.jpg



Upstream view of the site from right river bank.

Photo 2 of 3 : SJR2019_NA0017U16RM17.81_2.jpg



Close-up view of the site.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	5.33	Rating **	A/W	Issue No.	46 (cont)	
LM End	5.38	Issue Type +	Ma	Location *		
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						
Site ID: NA0017U16RM17.81						
08/28/2019: No significant change observed. This area is patrol road only.						
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.						

Photo 3 of 3 : SJR2019_NA0017U16RM17.81_3.jpg



Close-up view of the erosion.

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	DRAFT DWR UCIP LMA Responsibility			37.996132 °		37.996132 °
				-121.079127 °		-121.079127 °
DWR ID	23332					
Comment Code						
Inspector Comment						
DS_ID:23332						
FS_ID:35686						
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						

Photo 1 of 3 : UCIP_FA_2019_35686_64327.jpg



Pipe visible in water at WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.996132 °		37.996132 °
				-121.079127 °		-121.079127 °
DWR ID	23332					
Comment Code						
Inspector Comment						
DS_ID:23332						
FS_ID:35686						
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						

LM Start	5.48	Rating **	M	Issue No.	814 (cont)
LM End	5.48	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_35686_64326.jpg



Grout over pipe in channel on WS.

Photo 3 of 3 : UCIP_FA_2019_35686_64325.jpg



Grout over pipe in channel on WS.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	5.55	Rating **	A/W	Issue No.	42
LM End	5.57	Issue Type +	Ma	Location *	
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					
Site ID: NA0017U16RM17.27					
08/28/2019: No significant change observed. This area is patrol road only.					
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.					

LM Start	5.55	Rating **	A/W	Issue No.	42 (cont)
LM End	5.57	Issue Type +	Ma	Location *	

Photo 1 of 3 : SJR2019_NA0017U16RM17.27_1.JPG



View of the erosion from right river bank.

Photo 2 of 3 : SJR2019_NA0017U16RM17.27_2.JPG



Close-up view of the erosion site.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	5.55	Rating **	A/W	Issue No.	42 (cont)	
LM End	5.57	Issue Type +	Ma	Location *		
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						
Site ID: NA0017U16RM17.27						
08/28/2019: No significant change observed. This area is patrol road only.						
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.						

Photo 3 of 3 : SJR2019_NA0017U16RM17.27_3.JPG



Close-up view of the erosion.

LM Start	5.71	Rating **	A/W	Issue No.	41
LM End	5.72	Issue Type +	Ma	Location *	
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					
Site ID: NA0017U16RM17.11					
08/28/2019: No significant change observed. This area is patrol road only.					
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.					

Photo 1 of 3 : SJR2019_NA0017U16RM17.11_1.JPG



View of the site from right river bank.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	5.71	Rating **	A/W	Issue No.	41 (cont)	
LM End	5.72	Issue Type +	Ma	Location *		
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						
Site ID: NA0017U16RM17.11						
08/28/2019: No significant change observed. This area is patrol road only.						
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.						

LM Start	5.71	Rating **	A/W	Issue No.	41 (cont)
LM End	5.72	Issue Type +	Ma	Location *	

Photo 2 of 3 : SJR2019_NA0017U16RM17.11_2.JPG



Close-up view of the erosion.

Photo 3 of 3 : SJR2019_NA0017U16RM17.11_3.JPG



Close-up 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	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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_2019_NA0017_160_264_20190830_00192.jpg



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_2019_NA0017_160_57_20190830_00080.jpg



Repair crown surface looking east.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	6.49	Rating **	A/W	Issue No.	40	
LM End	6.68	Issue Type +	Ma	Location *		
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						
Site ID: NA0017U16RM16.27						
08/29/2019: No significant change observed. This area patrol road only.						
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.						

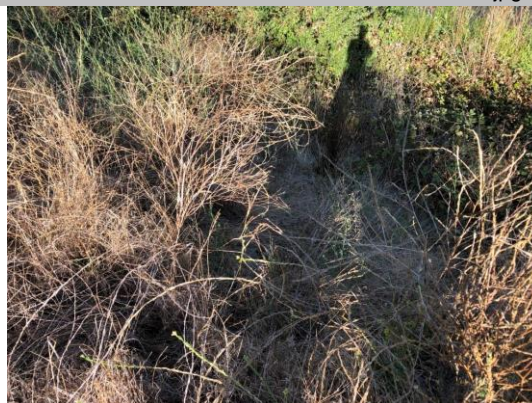
Photo 1 of 3 : SJR2019_NA0017U16RM16.27_1.jpg



Upstream view of the site from right river bank.

LM Start	6.49	Rating **	A/W	Issue No.	40 (cont)
LM End	6.68	Issue Type +	Ma	Location *	

Photo 2 of 3 : SJR2019_NA0017U16RM16.27_2.jpg



Close-up 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**

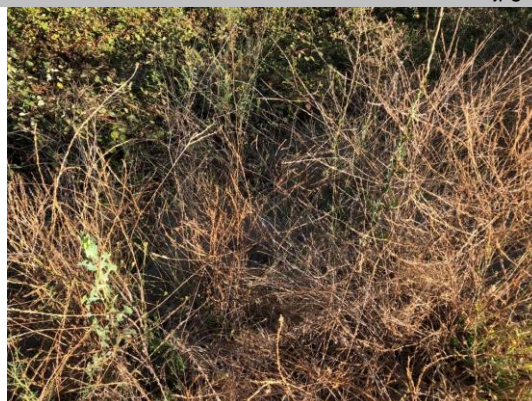
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	6.49	Rating **	A/W	Issue No.	40 (cont)	
LM End	6.68	Issue Type +	Ma	Location *		
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						
Site ID: NA0017U16RM16.27						
08/29/2019: No significant change observed. This area patrol road only.						
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.						

Photo 3 of 3 : SJR2019_NA0017U16RM16.27_5.jpg



Close-up view of the erosion. Note the dense vegetation at the site.

LM Start	6.70	Rating **	A/W	Issue No.	39
LM End	6.70	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.982299 °	37.982299 °
				-121.092665 °	-121.092665 °
DWR ID	NA0017U16RM16.15				
Comment Code					
Inspector Comment					
Site ID: NA0017U16RM16.15					
08/29/2019: There is no levee at the site. The erosion is likely caused by the rainfall runoff.					

Photo 1 of 3 : SJR2019_DWR_NA0017_16_s_2014_120_3.JPG



Looking at the erosion from the bank top.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	6.70	Rating **	A/W	Issue No.	39 (cont)	
LM End	6.70	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.982299 °	37.982299 °	
				-121.092665 °	-121.092665 °	
DWR ID	NA0017U16RM16.15					
Comment Code						
Inspector Comment						
Site ID: NA0017U16RM16.15						
08/29/2019: There is no levee at the site. The erosion is likely caused by the rainfall runoff.						

Photo 2 of 3 : SJR2019_DWR_NA0017_16_s _ 2014_120_2.JPG



Close view of the erosion. Note the dense vegetation at the site.

LM Start	6.70	Rating **	A/W	Issue No.	39 (cont)
LM End	6.70	Issue Type +	Ma	Location *	

Photo 3 of 3 : SJR2019_DWR_NA0017_16_s _ 2014_120_5.JPG



Close-up view of the erosion. Note the animal activities at the site.

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_2019_NA0017_160_120_20190830_00145.jpg



Updated picture of the slope instability on the waterside of the levee looking downstream.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	6.70	Rating **	A/W	Issue No.	120 (cont)	
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 2 of 2 : FA_2019_NA0017_160_120_20190830_00146.jpg



Slope instability was found on the waterside of the levee looking upstream.

LM Start	7.16	Rating **	M	Issue No.	249
LM End	7.16	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.978866 °	37.978866 °
				-121.099268 °	-121.099268 °
DWR ID	DWR_NA0017_16_f_2019_249				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

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

** Rating
A : Acceptable 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 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	7.27	Rating **	A/W	Issue No.	38
LM End	7.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.978194 °	37.978194 °
				-121.101696 °	-121.101696 °
DWR ID	NA0017U16RM15.57				
Comment Code					
Inspector Comment					
Site ID: NA0017U16RM15.57 08/29/2019: No significant change observed. This area is patrol road only. 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.					

LM Start	7.27	Rating **	A/W	Issue No.	38 (cont)
LM End	7.33	Issue Type +	Ma	Location *	

Photo 1 of 3 : SJR2019_NA0017U16RM15.57_1.JPG



View of the site from right river bank.

Photo 2 of 3 : SJR2019_NA0017U16RM15.57_2.JPG



Close-up 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 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	7.27	Rating **	A/W	Issue No.	38 (cont)	
LM End	7.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.978194 °	37.978194 °	
				-121.101696 °	-121.101696 °	
DWR ID	NA0017U16RM15.57					
Comment Code						
Inspector Comment						
Site ID: NA0017U16RM15.57 08/29/2019: No significant change observed. This area is patrol road only. 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.						

Photo 3 of 3 : SJR2019_NA0017U16RM15.57_4.JPG



Close-up view of the erosion.

LM Start	7.42	Rating **	A/W	Issue No.	37	
LM End	7.43	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			37.977421 °		37.977421 °
				-121.103507 °		-121.103507 °
DWR ID	NA0017U16RM15.45					
Comment Code						
Inspector Comment						
Site ID: NA0017U16RM15.45						
08/28/2019: This area is patrol road only.						

Photo 1 of 3 : SJR2019_DWR_NA0017_16_f_2015_237_1.JPG



Looking at the erosion from other side of the channel.

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	7.43	Rating **	U	Issue No.	259 (cont)	
LM End	7.43	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.977285 °		37.977285 °
				-121.103735 °		-121.103735 °
DWR ID	DWR_NA0017_16_f_2019_259					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Waterside bank erosion caused by surface runoff may cut into patrol access road.						

Photo 2 of 2 : FA_2019_NA0017_160_259_20191118_00447.jpg



View of erosion/bank caving on waterside bank. Fall 2019

LM Start	7.84	Rating **	M	Issue No.	275
LM End	7.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.973620 °	37.973620 °
				-121.109680 °	-121.109680 °
DWR ID	DWR_NA0017_16_s_2016_275				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion may cut into the access road.					

Photo 1 of 2 : FA_2019_NA0017_160_275_20191118_00450.jpg



View of erosion/bank caving on waterside bank. Fall 2019

LM Start	7.84	Rating **	M	Issue No.	275 (cont)
LM End	7.84	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2019_NA0017_160_275_20191118_00451.jpg



View of erosion/bank caving on waterside bank. Fall 2019

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

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : 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 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	8.17	Rating **	M	Issue No.	255
LM End	8.17	Issue Type +	Ma	Location *	WS
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			37.970427 °	37.970427 °
				-121.113623 °	-121.113623 °
DWR ID	DWR_NA0017_16_f_2017_255				
Comment Code					
Inspector Comment					
Woody vegetation may impede the flow of the channel at this location.					

Photo 1 of 1 : FA_2019_NA0017_160_255_20190830_00190.jpg



View of woody vegetation on the channel looking upstream. Fall 2017

LM Start	8.34	Rating **	A/W	Issue No.	36	
LM End	8.38	Issue Type +	Ma	Location *		
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						
Site ID: NA0017U16RM14.48						
08/29/2019: No significant change observed. This area is patrol road only.						
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.						

Photo 1 of 3 : SJR2019_NA0017U16RM14.48_1.jpg



View of the site from right river bank.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	8.34	Rating **	A/W	Issue No.	36 (cont)
LM End	8.38	Issue Type +	Ma	Location *	
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

Site ID: NA0017U16RM14.48

08/29/2019: No significant change observed. This area is patrol road only.

08/30/2017: No significant change observed.

08/16/2016: No significant change observed.

08/12/2015: No significant change observed.

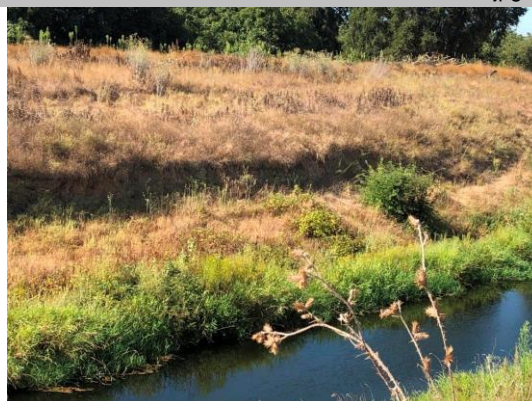
08/20/2014: No significant change observed.

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.

LM Start	8.34	Rating **	A/W	Issue No.	36 (cont)
LM End	8.38	Issue Type +	Ma	Location *	

Photo 2 of 3 : SJR2019_NA0017U16RM14.48_2.jpg



Front view of the erosion.

Photo 3 of 3 : SJR2019_NA0017U16RM14.48_3.jpg



Close-up 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 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	8.68	Rating **	M	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_2019_NA0017_160_248_20190830_00187.jpg



Erosion was found on the waterside looking downstream.

LM Start	8.88	Rating **	U	Issue No.	294
LM End	8.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.966615 °	37.966615 °
				-121.125125 °	-121.125125 °
DWR ID	DWR_NA0017_16_s_2019_294				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
The bank caving is approximately 1.5' wide by 1.5' deep by 6' long. This caving appears to be related to rodent activity and may cut into the patrol access road.					

Photo 1 of 1 : FA_2019_NA0017_160_294_20190830_00205.jpg



View of burrow hole on waterside shoulder. (Spring 2019)

* 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 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	8.99	Rating **	A/W	Issue No.	27
LM End	8.99	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.966644 °	37.966644 °	
			-121.125932 °	-121.125932 °	
DWR ID	NA0017U16RM13.86				

Comment Code

Inspector Comment

Site ID: NA0017U16RM13.86
 08/29/2019: No significant change observed. This area is patrol road only.
 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.

LM Start	8.99	Rating **	A/W	Issue No.	27 (cont)
LM End	8.99	Issue Type +	Ma	Location *	

Photo 1 of 3 : SJR2019_NA0017U16RM13.86_1.jpg



Front view of the erosion.

Photo 2 of 3 : SJR2019_NA0017U16RM13.86_2.jpg



Close-up 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 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	8.99	Rating **	A/W	Issue No.	27 (cont)	
LM End	8.99	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.966644 °	37.966644 °	
				-121.125932 °	-121.125932 °	
DWR ID	NA0017U16RM13.86					
Comment Code						
Inspector Comment						
Site ID: NA0017U16RM13.86						
08/29/2019: No significant change observed. This area is patrol road only.						
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.						

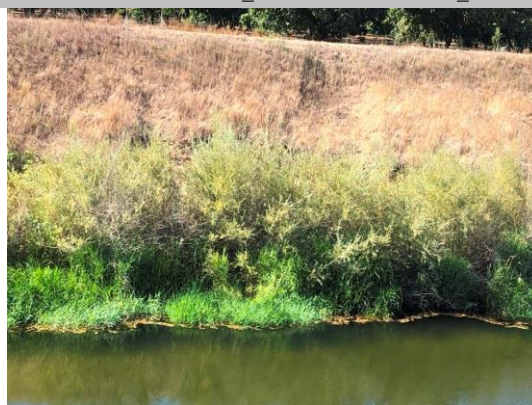
Photo 3 of 3 : SJR2019_NA0017U16RM13.86_4.jpg



Close-up view of the erosion.

LM Start	9.03	Rating **	A/W	Issue No.	24
LM End	9.03	Issue Type +	Ma	Location *	
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					
Site ID: NA0017U16RM13.85					
08/29/2019: No significant change observed. There is only patrol road in this area.					
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.					

Photo 1 of 3 : SJR2019_NA0017U16RM13.85_1.JPG



View of the site from right river bank.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	9.03	Rating **	A/W	Issue No.	24 (cont)	
LM End	9.03	Issue Type +	Ma	Location *		
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						
Site ID: NA0017U16RM13.85						
08/29/2019: No significant change observed. There is only patrol road in this area.						
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.						

LM Start	9.03	Rating **	A/W	Issue No.	24 (cont)
LM End	9.03	Issue Type +	Ma	Location *	

Photo 2 of 3 : SJR2019_NA0017U16RM13.85_2.JPG



Close-up view of the erosion.

Photo 3 of 3 : SJR2019_NA0017U16RM13.85_3.JPG



Close-up 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 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	9.11	Rating **	A/W	Issue No.	18
LM End	9.13	Issue Type +	Ma	Location *	
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

Site ID: NA0017U16RM13.72
 08/29/2019: No significant change observed.
 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.

LM Start	9.11	Rating **	A/W	Issue No.	18 (cont)
LM End	9.13	Issue Type +	Ma	Location *	

Photo 1 of 3 : SJR2019_NA0017U16RM13.72_1.jpg



Upstream view of the erosion.

Photo 2 of 3 : SJR2019_NA0017U16RM13.72_2.jpg



Close-up 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 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	9.11	Rating **	A/W	Issue No.	18 (cont)	
LM End	9.13	Issue Type +	Ma	Location *		
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						
Site ID: NA0017U16RM13.72 08/29/2019: No significant change observed. 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.						

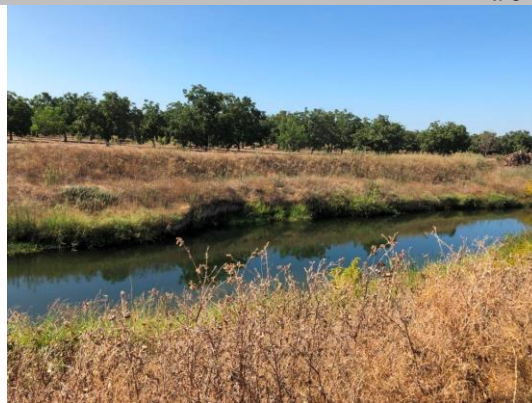
Photo 3 of 3 : SJR2019_NA0017U16RM13.72_3.jpg



Close-up view of the erosion.

LM Start	9.31	Rating **	A/W	Issue No.	14	
LM End	9.33	Issue Type +	Ma	Location *		
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						
Site ID: NA0017U16RM13.53						
08/29/2019: No significant change observed. This area patrol road only.						
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.						

Photo 1 of 3 : SJR2019_NA0017U16RM13.53_1.jpg



Upstream view of the erosion.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	9.31	Rating **	A/W	Issue No.	14 (cont)	
LM End	9.33	Issue Type +	Ma	Location *		
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						

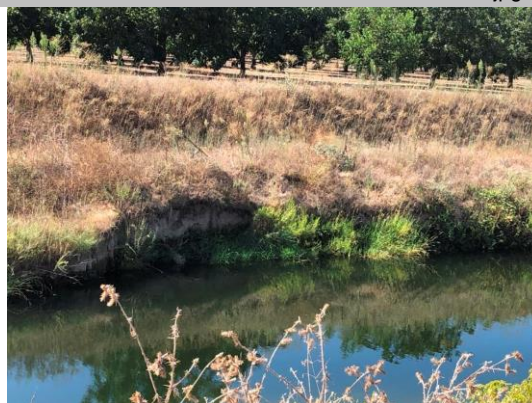
Comment Code

Inspector Comment

Site ID: NA0017U16RM13.53
 08/29/2019: No significant change observed. This area patrol road only.
 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.

LM Start	9.31	Rating **	A/W	Issue No.	14 (cont)
LM End	9.33	Issue Type +	Ma	Location *	

Photo 2 of 3 : SJR2019_NA0017U16RM13.53_2.jpg



Close-up view of the erosion.

Photo 3 of 3 : SJR2019_NA0017U16RM13.53_3.jpg



Close-up 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 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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_2019_NA0017_160_304_20190830_00209.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	9.48	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_2019_NA0017_160_28_20190830_00026.jpg



View of the erosion on the waterside toe of the levee looking from the opposite side 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 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.965880 °	37.965880 °
				-121.135897 °	-121.135897 °
DWR ID	23344				
Comment Code					
Inspector Comment					
DS_ID:23344					
FS_ID:36144					
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					

LM Start	9.48	Rating **	M	Issue No.	829 (cont)
LM End	9.48	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_36144_65406.jpg



Inlet on LS shoulder burried in soil.

Photo 2 of 3 : UCIP_FA_2019_36144_65405.jpg



Grout over pipe on WS slope with pipe visible in water at WS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.965880 °	37.965880 °	
				-121.135897 °	-121.135897 °	
DWR ID	23344					
Comment Code						
Inspector Comment						
DS_ID:23344						
FS_ID:36144						
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_2019_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	DRAFT DWR UCIP LMA Responsibility			37.964912 °	37.964912 °
				-121.140827 °	-121.140827 °
DWR ID	23345				
Comment Code					
Inspector Comment					
DS_ID:23345 FS_ID:36145 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_2019_36145_65409.jpg



Grout over pipe on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.964912 °	37.964912 °	
				-121.140827 °	-121.140827 °	
DWR ID	23345					
Comment Code						
Inspector Comment						
DS_ID:23345 FS_ID:36145 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_2019_36145_65408.jpg



Pipe at outlet on WS toe.

LM Start	9.78	Rating **	M	Issue No.	830 (cont)
LM End	9.78	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36145_65407.jpg



Inlet appears to be buried in soil on LS shoulder.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	9.86	Rating **	A/W	Issue No.	10
LM End	9.88	Issue Type +	Ma	Location *	
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					

Comment Code

Inspector Comment

Site ID: NA0017U16RM12.95
 08/29/2019: No significant change observed. This area is patrol road only.
 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.

LM Start	9.86	Rating **	A/W	Issue No.	10 (cont)
LM End	9.88	Issue Type +	Ma	Location *	

Photo 1 of 3 : SJR2019_NA0017U16RM12.95_1.jpg



Upstream view of the site from right river bank.

Photo 2 of 3 : SJR2019_NA0017U16RM12.95_2.jpg



Close-up 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 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	9.86	Rating **	A/W	Issue No.	10 (cont)	
LM End	9.88	Issue Type +	Ma	Location *		
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						
Site ID: NA0017U16RM12.95						
08/29/2019: No significant change observed. This area is patrol road only.						
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.						

Photo 3 of 3 : SJR2019_NA0017U16RM12.95_3.jpg



Close-up view of the erosion.

LM Start	10.20	Rating **	M	Issue No.	832	
LM End	10.20	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.964670 °	37.964670 °	
				-121.148455 °	-121.148455 °	
DWR ID	23347					
Comment Code						
Inspector Comment						
DS_ID:23347						
FS_ID:36163						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Heavy sediment buildup at inlet on LS toe.						
FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Concrete U-shaped headwall on the landside (LS). Flap gate on the waterside (WS) end.						
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 10.50)].						
FS Date: 4/30/2014						

Photo 1 of 3 : UCIP_FA_2019_36163_65442.jpg



Pipe and flapgate visible on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility		37.964670 °	37.964670 °	
			-121.148455 °	-121.148455 °	
DWR ID	23347				

Comment Code

Inspector Comment

DS_ID:23347
FS_ID:36163
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	10.20	Rating **	M	Issue No.	832 (cont)
LM End	10.20	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_36163_65441.jpg



Pipe and headwall visible at LS toe.

Photo 3 of 3 : UCIP_FA_2019_36163_65440.jpg



Headwall and pipe with heavy sediment buildup on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.964660 °	37.964660 °
				-121.148660 °	-121.148660 °
DWR ID	23348				
Comment Code					
Inspector Comment					
DS_ID:23348					
FS_ID:36164					
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_2019_36164_65445.jpg



Pipe and concrete headwall on LS toe.

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_2019_36164_65444.jpg



Pipe and concrete headwall on LS toe. Sediment buildup on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.964660 °	37.964660 °	
				-121.148660 °	-121.148660 °	
DWR ID	23348					
Comment Code						
Inspector Comment						
DS_ID:23348						
FS_ID:36164						
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 3 of 3 : UCIP_FA_2019_36164_65443.jpg



Pipe and flapgate visible on WS slope.

LM Start	10.55	Rating **	M	Issue No.	287
LM End	10.55	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.963612 °	37.963612 °
				-121.154813 °	-121.154813 °
DWR ID	DWR_NA0017_16_f_2019_287				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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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 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	10.79	Rating **	A/W	Issue No.	139
LM End	10.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.962182°	37.962182°
				-121.158684°	-121.158684°
DWR ID	DWR_NA0017_16_s_2013_139				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 2 : FA_2019_NA0017_160_139_20190830_00152.jpg



Picture of the erosion on the waterside shoulder of the levee looking downstream.

LM Start	10.79	Rating **	A/W	Issue No.	139 (cont)
LM End	10.79	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2019_NA0017_160_139_20190830_00153.jpg



Erosion was found on the waterside of the levee looking downstream.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.960565°	37.960565°	
				-121.163287°	-121.163287°	
DWR ID	23354					
Comment Code						
Inspector Comment						
DS_ID:23354						
FS_ID:36186						
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_2019_36186_65505.jpg



Pipe at inlet on LS toe.

LM Start	11.08	Rating **	A/W	Issue No.	841 (cont)
LM End	11.08	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_FA_2019_36186_65504.jpg



Grout over pipe on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.960322 °	37.960322 °
				-121.164400 °	-121.164400 °
DWR ID	23355				
Comment Code					
Inspector Comment					
DS_ID:23355					
FS_ID:36187					
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					

LM Start	11.15	Rating **	A/W	Issue No.	842 (cont)
LM End	11.15	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_36187_65508.jpg



Pipe and headwall visible on LS toe.

Photo 2 of 3 : UCIP_FA_2019_36187_65507.jpg



Pipe, flapgate, and headwall visible on WS shoulder.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.960322 °	37.960322 °	
				-121.164400 °	-121.164400 °	
DWR ID	23355					
Comment Code						
Inspector Comment						
DS_ID:23355 FS_ID:36187 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 3 of 3 : UCIP_FA_2019_36187_65506.jpg



Pipe, flapgate, and headwall visible on WS shoulder.

LM Start	11.29	Rating **	M	Issue No.	303
LM End	11.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.960092 °	37.960092 °
				-121.167039 °	-121.167039 °
DWR ID	DWR_NA0017_16_f_2019_303				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	11.72	Rating **	M	Issue No.	305
LM End	11.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.961148°	37.961148°
				-121.174810°	-121.174810°
DWR ID	DWR_NA0017_16_f_2019_305				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	11.92	Rating **	A/W	Issue No.	845
LM End	11.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.961429 °	37.961429 °
				-121.178380 °	-121.178380 °
DWR ID	23385				
Comment Code					
Inspector Comment					
DS_ID:23385					
FS_ID:36208					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Concrete U-shaped headwall on both ends. Grouted inlet and outlet. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 12.24)].					
FS Date: 5/6/2014					

Photo 1 of 3 : UCIP_FA_2019_36208_65571.jpg



Concrete headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.961429 °	37.961429 °	
				-121.178380 °	-121.178380 °	
DWR ID	23385					
Comment Code						
Inspector Comment						
DS_ID:23385						
FS_ID:36208						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Concrete U-shaped headwall on both ends. Grouted inlet and outlet. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 12.24)].						
FS Date: 5/6/2014						

Photo 2 of 3 : UCIP_FA_2019_36208_65570.jpg



Pipe and concrete headwall on WS slope.

LM Start	11.92	Rating **	A/W	Issue No.	845 (cont)
LM End	11.92	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_36208_65569.jpg



Pipe, headwall, and flapgate on WS slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.960568 °	37.960568 °	
				-121.184451 °	-121.184451 °	
DWR ID	23388					
Comment Code						
Inspector Comment						
DS_ID:23388						
FS_ID:36225						
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						

LM Start	12.26	Rating **	A/W	Issue No.	847 (cont)
LM End	12.26	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_36225_65589.jpg



Grouted spilway on WS berm.

Photo 2 of 3 : UCIP_FA_2019_36225_65588.jpg



Concrete headwall on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.960568 °	37.960568 °	
				-121.184451 °	-121.184451 °	
DWR ID	23388					
Comment Code						
Inspector Comment						
DS_ID:23388						
FS_ID:36225						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 9 feet below the crown. Concrete U-shaped headwall on both ends. Grouted inlet and outlet. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 12.58)].						
FS Date: 5/6/2014						

Photo 3 of 3 : UCIP_FA_2019_36225_65587.jpg



Concrete headwall on LS toe.

LM Start	12.89	Rating **	M	Issue No.	306
LM End	12.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.959878 °	37.959878 °
				-121.195690 °	-121.195690 °
DWR ID	DWR_NA0017_16_f_2019_306				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	13.56	Rating **	U	Issue No.	277
LM End	14.01	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.961604 °	37.965214 °
				-121.206605 °	-121.213627 °
DWR ID	DWR_NA0017_16_s_2019_277				
Comment Code					
MA : Material					
Inspector Comment					
Fill material stored on landside crown.					

Photo 1 of 1 : FA_2019_NA0017_160_277_20190830_00200.jpg



View of fill material stored landside shoulder. (Spring 2019)

LM Start	13.95	Rating **	M	Issue No.	279
LM End	13.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.964696 °	37.964696 °
				-121.212580 °	-121.212580 °
DWR ID	DWR_NA0017_16_s_2019_279				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	14.10	Rating **	M	Issue No.	246
LM End	14.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.965835 °	37.965835 °
				-121.214884 °	-121.214884 °
DWR ID	DWR_NA0017_16_s_2018_246				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	14.60	Rating **	M	Issue No.	307
LM End	14.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.969811 °	37.969811 °
				-121.222741 °	-121.222741 °
DWR ID	DWR_NA0017_16_f_2019_307				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	15.82	Rating **	C	Issue No.	261
LM End	15.82	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	16.32	Rating **	U	Issue No.	316
LM End	16.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.981633 °	37.981711 °
				-121.250452 °	-121.250620 °
DWR ID	DWR_NA0017_16_f_2019_316				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Foot path cutting into waterside slope.					

Photo 1 of 2 : FA_2019_NA0017_160_316_20191118_00457.jpg



View of foot path cutting into waterside slope. Fall 2019

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	16.32	Rating **	U	Issue No.	316 (cont)
LM End	16.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.981633 °	37.981711 °
				-121.250452 °	-121.250620 °
DWR ID	DWR_NA0017_16_f_2019_316				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Foot path cutting into waterside slope.					

Photo 2 of 2 : FA_2019_NA0017_160_316_20191118_00458.jpg



View of foot path cutting into waterside slope. Fall 2019

LM Start	16.40	Rating **	M	Issue No.	317
LM End	16.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.982188 °	37.982188 °
				-121.251709 °	-121.251709 °
DWR ID	DWR_NA0017_16_f_2019_317				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There are excavated steps cut into waterside slope. RD is working to repair levee slope.					

Photo 1 of 2 : FA_2019_NA0017_160_317_20191118_00460.jpg



View of step excavation into waterside slope. Fall 2019

LM Start	16.40	Rating **	M	Issue No.	317 (cont)
LM End	16.40	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_NA0017_160_317_20191118_00461.jpg



View of step excavation into waterside slope. Fall 2019

*** 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 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	16.59	Rating **	A/W	Issue No.	267
LM End	16.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.983468 °	37.983468 °
				-121.254758 °	-121.254758 °
DWR ID	DWR_NA0017_16_f_2018_267				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes have been backfilled but continue to monitor for future rodent activity in this area.					

No Photos

LM Start	17.01	Rating **	C	Issue No.	308
LM End	17.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.986350 °	37.986350 °
				-121.261482 °	-121.261482 °
DWR ID	DWR_NA0017_16_f_2018_308				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

No Photos

LM Start	17.14	Rating **	M	Issue No.	293	
LM End	17.14	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			37.987210 °		37.987210 °
				-121.263501 °		-121.263501 °
DWR ID	DWR_NA0017_16_s_2016_293					
Comment Code						
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comment						
Landside slope erosion caused by foot traffic.						

Photo 1 of 1 : FA_2019_NA0017_160_293_20190830_00204.jpg



View of an erosion on the landside slope of the levee.

*** Location**

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

**** Rating**

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

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	17.69	Rating **	M	Issue No.	325
LM End	17.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.990961 °	37.990961 °
				-121.272371 °	-121.272371 °
DWR ID	DWR_NA0017_16_f_2019_325				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Foot path on waterside slope.					

Photo 1 of 1 : FA_2019_NA0017_160_325_20191118_00471.jpg



View of foot path on waterside slope. Fall 2019

LM Start	17.83	Rating **	M	Issue No.	327
LM End	17.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.991949 °	37.991949 °
				-121.274683 °	-121.274683 °
DWR ID	DWR_NA0017_16_f_2019_327				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Foot path on waterside slope.					

Photo 1 of 1 : FA_2019_NA0017_160_327_20191118_00474.jpg



View of foot path on waterside slope. Fall 2019

LM Start	17.87	Rating **	M	Issue No.	328
LM End	17.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.992220 °	37.992768 °
				-121.275317 °	-121.276659 °
DWR ID	DWR_NA0017_16_f_2019_328				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Foot path cutting into waterside slope.					

Photo 1 of 2 : FA_2019_NA0017_160_328_20191118_00476.jpg



View of foot path cutting into waterside slope. Fall 2019

* 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 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	18.92	Rating **	M	Issue No.	331
LM End	18.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.992042°	37.992042°
				-121.293463°	-121.293463°
DWR ID	DWR_NA0017_16_f_2019_331				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	18.94	Rating **	N	Issue No.	65
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_2012_65				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0017_160_65_20190830_00088.jpg



A tree stump was found on the landside of the levee looking upstream.

LM Start	19.11	Rating **	M	Issue No.	332
LM End	19.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.991376 °	37.991079 °
				-121.296813 °	-121.298858 °
DWR ID	DWR_NA0017_16_f_2019_332				
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 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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_2019_NA0017_160_310_20190830_00211.jpg



View of tree stumps on the landside slope (October 2018).

LM Start	20.30	Rating **	M	Issue No.	232
LM End	20.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.981643°	37.981643°
				-121.312588°	-121.312588°
DWR ID	DWR_NA0017_16_s_2019_232				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	20.55	Rating **	M	Issue No.	333
LM End	20.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.979521 °	37.979521 °
				-121.316095 °	-121.316095 °
DWR ID	DWR_NA0017_16_f_2019_333				
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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	20.56	Rating **	M	Issue No.	334
LM End	20.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.979482°	37.979482°	
			-121.316371°	-121.316371°	
DWR ID	DWR_NA0017_16_f_2019_334				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	20.59	Rating **	M	Issue No.	335
LM End	20.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.979281°	37.978880°	
			-121.316898°	-121.317836°	
DWR ID	DWR_NA0017_16_f_2019_335				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	20.83	Rating **	N	Issue No.	84
LM End	20.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.980085°	37.980085°
				-121.320448°	-121.320448°
DWR ID	DWR_NA0017_16_s_2012_84				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	21.50	Rating **	M	Issue No.	311
LM End	21.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.979798°	37.979798°
				-121.332170°	-121.332170°
DWR ID	DWR_NA0017_16_f_2018_311				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	21.68	Rating **	C	Issue No.	68
LM End	21.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.979674 °	37.979674 °
				-121.335228 °	-121.335228 °
DWR ID	DWR_NA0017_16_f_2012_68				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

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 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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_2019_NA0017_160_62_20190830_00083.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_2019_NA0017_160_48_20190830_00063.jpg



View of the riprap on the waterside slope of the levee. Fall 2016

LM Start	22.04	Rating **	A/W	Issue No.	48 (cont)
LM End	22.04	Issue Type +	Ma	Location *	WS

Photo 2 of 5 : FA_2019_NA0017_160_48_20190830_00064.jpg



Caltrans repaired the erosion under the southbound (I-5) bridge. The picture was taken from the crown looking upstream during fall 2014 inspection.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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	22.04	Rating **	A/W	Issue No.	48 (cont)
LM End	22.04	Issue Type +	Ma	Location *	WS

Photo 3 of 5 : FA_2019_NA0017_160_48_20190830_00065.jpg



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_2019_NA0017_160_48_20190830_00066.jpg



View of the erosion site repaired by Caltrans on the waterside slope of the levee looking upstream. Fall 2012

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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_2019_NA0017_160_48_20190830_00067.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	LMA-301				
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_2019_474_2234.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 2019

San Joaquin County Flood Control and Water Conservation District

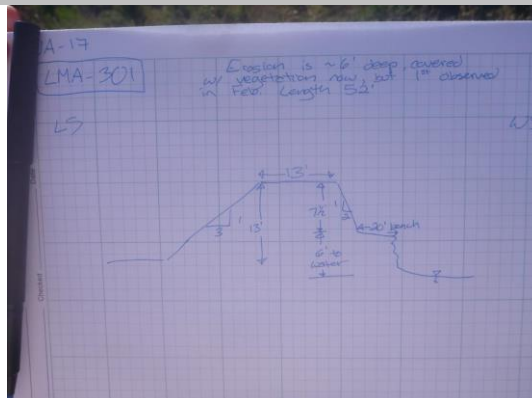
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	11/12/2019 11/13/2019	Alberto De Leon

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	LMA-301											
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 2 of 3 : LEVAL_FA_2019_474_2237.jpg



Photo 3 of 3 : LEVAL_FA_2019_474_2238.jpg



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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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	22.32	Rating **	U	Issue No.	338
LM End	22.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.975819 °	37.975819 °
				-121.345294 °	-121.345294 °
DWR ID	DWR_NA0017_16_f_2019_338				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0017_160_338_20191118_00483.jpg



View of tree that needs to be trimmed and thinned on waterside slope.
Fall 2019

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

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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_2019_NA0017_160_302_20190830_00208.jpg



Encroachment prunings on the crown looking east.

LM Start	22.51	Rating **	U	Issue No.	45
LM End	22.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.973757 °	37.973299 °
				-121.347571 °	-121.348397 °
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_2019_NA0017_160_45_20190830_00056.jpg



Picture of the arundo on the waterside slope of the levee. Fall 2016

LM Start	22.51	Rating **	U	Issue No.	45 (cont)
LM End	22.57	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2019_NA0017_160_45_20190830_00057.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 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	22.87	Rating **	A/W	Issue No.	878
LM End	22.87	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		37.969751°	37.969751°	
			-121.351172°	-121.351172°	
DWR ID	23409				

Comment Code

Inspector Comment

DS_ID:23409
FS_ID:37423
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	22.87	Rating **	A/W	Issue No.	878 (cont)
LM End	22.87	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2019_37423_67881.jpg



Pipe visible on WS slope with siphon breaker in box.

Photo 2 of 2 : UCIP_FA_2019_37423_67880.jpg



Pipe and pumphouse visible on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

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	DRAFT DWR UCIP LMA Responsibility			37.969747 °	37.969747 °
				-121.351190 °	-121.351190 °
DWR ID	23503				
Comment Code					
Inspector Comment					
DS_ID:23503					
FS_ID:37424					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 2 of 2: 20-inch steel drainage pipe through the levee, 3 feet below the crown. Siphon breaker on the waterside (WS) slope. Pump house near the landside (LS) toe. (Reclamation District No. 1618). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 23.36)].					
FS Date: 5/8/2014					

LM Start	22.87	Rating **	A/W	Issue No.	879 (cont)
LM End	22.87	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2019_37424_67883.jpg



Pipe and siphon breaker at left of photo.

Photo 2 of 2 : UCIP_FA_2019_37424_67882.jpg



Pipe and pumphouse on LS toe.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/12/2019 11/13/2019	Alberto De Leon

LM Start	23.08	Rating **	M	Issue No.	339
LM End	23.08	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.969055 °	37.969055 °
				-121.354546 °	-121.354546 °
DWR ID	DWR_NA0017_16_f_2019_339				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	23.16	Rating **	U	Issue No.	2
LM End	23.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.968510 °	37.966144 °
				-121.355729 °	-121.360210 °
DWR ID	DWR_NA0017_16_s_2012_2				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0017_160_2_20191118_00484.jpg



View of vegetation on waterside slope. Fall 2019

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/13/2019 11/13/2019	Alberto De Leon

LM Start	0.04	Rating **	M	Issue No.	10
LM End	0.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.960276°	37.960276°	
			-121.162631°	-121.162631°	
DWR ID	DWR_NA0017_17_f_2019_10				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.07	Rating **	M	Issue No.	11
LM End	0.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.960189°	37.960189°	
			-121.162206°	-121.162206°	
DWR ID	DWR_NA0017_17_f_2019_11				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.24	Rating **	M	Issue No.	12
LM End	0.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.959631°	37.959631°	
			-121.159047°	-121.159047°	
DWR ID	DWR_NA0017_17_f_2019_12				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/13/2019 11/13/2019	Alberto De Leon

LM Start	0.00	Rating **	A/W	Issue No.	7	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.957538 °	37.957538 °	
				-121.148502 °	-121.148502 °	
DWR ID	23952					
Comment Code						
Inspector Comment						
DS_ID:23952 FS_ID:33112 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_2019_33112_59886.jpg



WS view: overview of pipe culvert and grouted riprap spillway.

LM Start	0.00	Rating **	A/W	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_33112_59885.jpg



WS view: close view of CM pipe, flapgate, and concrete headwall.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/13/2019 11/13/2019	Alberto De Leon

LM Start	0.00	Rating **	A/W	Issue No.	7 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.957538 °	37.957538 °	
				-121.148502 °	-121.148502 °	
DWR ID	23952					
Comment Code						
Inspector Comment						
DS_ID:23952						
FS_ID:33112						
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_2019_33112_59884.jpg



LS view: concrete headwall of pipe culvert.

LM Start	0.01	Rating **	A	Issue No.	6
LM End	0.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.957520 °	37.957520 °
				-121.148664 °	-121.148664 °
DWR ID	DWR_NA0017_18_f_2019_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation in this section is well maintained, Fall 2019.					

Photo 1 of 1 : FA_2019_NA0017_162_6_20191117_00013.jpg



Typical view of vegetation on waterside slope. Fall 2019

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/13/2019 11/13/2019	Alberto De Leon

LM Start	0.28	Rating **	A/W	Issue No.	8
LM End	0.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.958658 °	37.958658 °
				-121.153090 °	-121.153090 °
DWR ID	18541				

Comment Code

Inspector Comment

DS_ID:18541
FS_ID:33113
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	0.28	Rating **	A/W	Issue No.	8 (cont)
LM End	0.28	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_33113_59893.jpg



WS view: CM pipe, flapgate, and concrete headwall on levee slope.

Photo 2 of 3 : UCIP_FA_2019_33113_59892.jpg



WS view: concrete flood wall along the levee on waterside.

*** Location**

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

**** Rating**

A : Acceptable 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 2019

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	11/13/2019 11/13/2019	Alberto De Leon

LM Start	0.28	Rating **	A/W	Issue No.	8 (cont)	
LM End	0.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.958658 °	37.958658 °	
				-121.153090 °	-121.153090 °	
DWR ID	18541					
Comment Code						
Inspector Comment						
DS_ID:18541						
FS_ID:33113						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: Long flood wall along the levee.						
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall on both ends. Flap gate on the waterside (WS) end. Grouted inlet and outlet. [Additional Reference(s): DWR Levee Log, 1992, 36-inch pipe listed. USACE San Joaquin O&M Manual 611.1, Volume F, (HLM 0.28)].						
FS Date: 4/4/2014						

Photo 3 of 3 : UCIP_FA_2019_33113_59891.jpg



WS view: CM pipe, intake box, and concrete headwall on levee slope.

LM Start	0.53	Rating **	A/W	Issue No.	9	
LM End	0.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.959117 °		37.959117 °
				-121.157567 °		-121.157567 °
DWR ID	18539					
Comment Code						
Inspector Comment						
DS_ID:18539 FS_ID:33114 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_2019_33114_59898.jpg



WS view: CM pipe, flapgate, and concrete headwall on levee slope.

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

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

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	11/13/2019 11/13/2019	Alberto De Leon

LM Start	0.53	Rating **	A/W	Issue No.	9 (cont)	
LM End	0.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.959117°		37.959117°
				-121.157567°		-121.157567°
DWR ID	18539					
Comment Code						
Inspector Comment						
DS_ID:18539 FS_ID:33114 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						

LM Start	0.53	Rating **	A/W	Issue No.	9 (cont)
LM End	0.53	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_33114_59897.jpg



LS view: CM pipe, inlet box, and concrete headwall on levee slope.

Photo 3 of 3 : UCIP_FA_2019_33114_59899.jpg



LS view: closer view of CM pipe. May need to clean and clear mud from the pipe.

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