

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/21/2021 10/21/2021	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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/21/2021 10/21/2021	Alberto De Leon

LM Start	0.00	Rating **	A	Issue No.	24
LM End	2.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.873385 °	37.888038 °
				-121.230940 °	-121.267189 °
DWR ID	DWR_NA0017_01_f_2021_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0017_148_24_20211021_00057.jpg



Typical view of well maintained vegetation on the landside slope. Fall 2021

LM Start	0.00	Rating **	A	Issue No.	25
LM End	2.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.873385 °	37.888038 °
				-121.230940 °	-121.267189 °
DWR ID	DWR_NA0017_01_f_2021_25				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0017_148_25_20211021_00058.jpg



Typical view of well maintained vegetation on waterside slope. Fall 2021

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

** Rating
A : Acceptable N : Not Inspected/Rated
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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/21/2021 10/21/2021	Alberto De Leon

LM Start	0.19	Rating **	M	Issue No.	199	
LM End	0.19	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.874155 °	37.874155 °	
				-121.233682 °	-121.233682 °	
DWR ID	23992					
Comment Code						
Inspector Comment						
DS_ID:23992 FS_ID:66995 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Limited Inspection/No UCIP Evaluation Crossing Status: Found UCIP Comments: 04/27/2021 The record has been upgraded from No Action Needed to Non-Urgent. Water filtration plant and tanks no longer present on LS. Heavy vegetation covering WS pipe over bridge, recommend cleaning around pipe. Levee prism in this section appears to be less than 3 feet. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 03/25/2014 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. (P. Tariq - DWR UCIP)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: 4/27/2021						

Photo 1 of 3 : UCIP_FA_2021_66995_96776.jpg



Levee crown 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/21/2021 10/21/2021	Alberto De Leon

LM Start	0.19	Rating **	M	Issue No.	199 (cont)
LM End	0.19	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.874155 °	37.874155 °
				-121.233682 °	-121.233682 °
DWR ID	23992				

Photo 2 of 3 : UCIP_FA_2021_66995_96781.jpg



LS view: Structure off toe.

LM Start	0.19	Rating **	M	Issue No.	199 (cont)
LM End	0.19	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66995_96775.jpg



LS view: Structure and air valve off toe.

LM Start	0.57	Rating **	C	Issue No.	13
LM End	0.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.877068 °	37.877068 °
				-121.239133 °	-121.239133 °
DWR ID	DWR_NA0017_01_s_2021_13				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/21/2021 10/21/2021	Alberto De Leon

LM Start	0.74	Rating **	U	Issue No.	202
LM End	0.74	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.878634 °	37.878634 °
				-121.241467 °	-121.241467 °
DWR ID	17973				

Comment Code

Inspector Comment

DS_ID:17973
FS_ID:66998
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: Flood Risk
Crossing Status: Found
UCIP Comments: 04/27/2021 Pipe status is still Urgent. Slidegate no longer on WS, pipe is open on both ends. LS pipe edges are bent and warped. DWR DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Levee prism in this section appears to be less than 3 feet. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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: 4/27/2021

Photo 1 of 3 : UCIP_FA_2021_66998_96798.jpg



Levee crown 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/21/2021 10/21/2021	Alberto De Leon

LM Start	0.74	Rating **	U	Issue No.	202 (cont)
LM End	0.74	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.878634 °	37.878634 °
				-121.241467 °	-121.241467 °
DWR ID	17973				

Photo 2 of 3 : UCIP_FA_2021_66998_96792.jpg



LS view: Slope from crown, inlet visible at toe.

LM Start	0.74	Rating **	U	Issue No.	202 (cont)
LM End	0.74	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66998_96793.jpg



LS view: Inlet at toe, 1 of 2 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/21/2021 10/21/2021	Alberto De Leon

LM Start	0.79	Rating **	M	Issue No.	203
LM End	0.79	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.878502 °	37.878502 °
				-121.242377 °	-121.242377 °
DWR ID	17972				
Comment Code					
Inspector Comment					
DS_ID:17972 FS_ID:67003 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 04/27/2021 The record has been upgraded from No Action Needed to Non-Urgent. Some vegetation in front of WS flapgate, recommend removal. DWR DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. Levee prism in this section appears to be less than 3 feet. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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. Amaty - 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: 4/27/2021					

Photo 1 of 3 : UCIP_FA_2021_67003_96806.jpg



Levee crown looking downstream.

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

Photo 2 of 3 : UCIP_FA_2021_67003_96808.jpg



LS view: Headwall visible at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/21/2021 10/21/2021	Alberto De Leon

LM Start	0.79	Rating **	M	Issue No.	204 (cont)
LM End	0.79	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.878494 °	37.878494 °
				-121.242392 °	-121.242392 °
DWR ID	23995				

Photo 2 of 3 : UCIP_FA_2021_67004_96815.jpg



LS view: Headwall visible at toe from crown.

LM Start	0.79	Rating **	M	Issue No.	204 (cont)
LM End	0.79	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67004_96816.jpg



LS view: Inlets at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/21/2021 10/21/2021	Alberto De Leon

LM Start	1.02	Rating **	M	Issue No.	206	
LM End	1.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.877566 °	37.877566 °	
				-121.246391 °	-121.246391 °	
DWR ID	23985					
Comment Code						
Inspector Comment						
DS_ID:23985 FS_ID:67008 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 04/27/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. LS and WS pipe end and flapgate both partially covered by vegetation debris, recommend removal. The levee prism in this section appears to be less than 3 feet. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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: 4/27/2021						

Photo 1 of 3 : UCIP_FA_2021_67008_96822.jpg



Levee crown looking downstream.

LM Start	1.02	Rating **	M	Issue No.	206 (cont)
LM End	1.02	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_67008_96823.jpg



LS view: Toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/21/2021 10/21/2021	Alberto De Leon

LM Start	1.02	Rating **	M	Issue No.	206 (cont)
LM End	1.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.877566 °	37.877566 °
				-121.246391 °	-121.246391 °
DWR ID	23985				

Photo 3 of 3 : UCIP_FA_2021_67008_96824.jpg



LS view: Pipe inlet at toe.

LM Start	1.18	Rating **	U	Issue No.	207
LM End	1.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.879076 °	37.879076 °
				-121.248304 °	-121.248304 °
DWR ID	17970				

Comment Code

Inspector Comment

DS_ID:17970
 FS_ID:65263
 EP_NO: N/A
 Repair Type: Urgent
 EVAL Issue: Pipe Integrity
 Crossing Status: Found
 UCIP Comments: 04/27/2021 The record has been upgraded from Non-Urgent to Urgent. DWR DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. The levee prism in this section appears to be less than 3 feet. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI)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. Amaty - 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: 4/27/2021

Photo 1 of 3 : UCIP_FA_2021_65263_96829.jpg



Levee crown 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/21/2021 10/21/2021	Alberto De Leon

LM Start	1.18	Rating **	U	Issue No.	207 (cont)
LM End	1.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.879076 °	37.879076 °
				-121.248304 °	-121.248304 °
DWR ID	17970				

Photo 2 of 3 : UCIP_FA_2021_65263_96830.jpg



LS view: Toe from crown.

LM Start	1.18	Rating **	U	Issue No.	207 (cont)
LM End	1.18	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_65263_96831.jpg



LS view: Pipe inlet at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/21/2021 10/21/2021	Alberto De Leon

LM Start	1.33	Rating **	M	Issue No.	209	
LM End	1.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.881077 °	37.881077 °	
				-121.249368 °	-121.249368 °	
DWR ID	17969					
Comment Code						
Inspector Comment						
DS_ID:17969 FS_ID:67070 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Modification or Non-Compliant Permit Crossing Status: Found UCIP Comments: 04/27/2021 Pipe status is still Non-Urgent. This pipe appears abandoned, no standpipe on WS and no inlet structure on LS. Only pipe with appurtenance left on WS. The levee prism in this section appears to be less than 3 feet. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 03/25/2014 Appears abandoned and should be verified as having been done so properly. (P. Tariq - DWR UCIP)Concrete standpipe on waterside. Abandoned gate valve on waterside. Steel pipe disconnected with the standpipe.Inlet structure with steel gates and 18-inch alfalfa valve on landside. FIELD_STRUCT_DESC: 18-inch reinforced concrete drainage pipe through the levee, 6.2 feet below the crown. [Additional Reference(s): DWR Levee Log, 1977. USACE San Joaquin O&M Manual 613C, Volume 15, May 1963, (Station 68+90) 21-inch pipe listed]. FS Date: 4/27/2021						

Photo 1 of 3 : UCIP_FA_2021_67070_96838.jpg



Levee crown looking upstream.

LM Start	1.33	Rating **	M	Issue No.	209 (cont)
LM End	1.33	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_67070_96842.jpg



LS view: Slope from crown, no inlet structure seen.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/21/2021 10/21/2021	Alberto De Leon

LM Start	1.33	Rating **	M	Issue No.	209 (cont)
LM End	1.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.881077 °	37.881077 °
				-121.249368 °	-121.249368 °
DWR ID	17969				

Photo 3 of 3 : UCIP_FA_2021_67070_96843.jpg



LS view: Slope from toe, no inlet structure seen.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/21/2021 10/21/2021	Alberto De Leon

LM Start	2.53	Rating **	M	Issue No.	215	
LM End	2.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.888080 °	37.888080 °	
				-121.266631 °	-121.266631 °	
DWR ID	17966					
Comment Code						
Inspector Comment						
DS_ID:17966 FS_ID:67084 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Limited Inspection/No UCIP Evaluation Crossing Status: Found UCIP Comments: 04/27/2021 The record has been upgraded from No Action Needed to Non-Urgent. WS flapgate completely covered in vegetation and LS inlet has some sediment buildup inside, recommend cleaning on both ends. DWR DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The levee prism in this section appears to be less than 3 feet. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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: 4/27/2021						

Photo 1 of 3 : UCIP_FA_2021_67084_96871.jpg



Levee crown looking downstream.

LM Start	2.53	Rating **	M	Issue No.	215 (cont)
LM End	2.53	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_67084_96872.jpg



LS view: Slope from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	10/21/2021 10/21/2021	Alberto De Leon

LM Start	2.53	Rating **	M	Issue No.	215 (cont)
LM End	2.53	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.888080 °	37.888080 °
				-121.266631 °	-121.266631 °
DWR ID	17966				

Photo 3 of 3 : UCIP_FA_2021_67084_96873.jpg



LS view: Pipe inlet at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	10/21/2021 10/21/2021	Alberto De Leon

LM Start	0.00	Rating **	A	Issue No.	34
LM End	3.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.875123 °	37.888513 °
				-121.220054 °	-121.267290 °
DWR ID	DWR_NA0017_02_f_2021_34				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0017_149_34_20211021_00089.jpg



Typical view of well maintained vegetation on waterside slope. Fall 2021

LM Start	0.00	Rating **	A	Issue No.	33
LM End	3.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.875122 °	37.888513 °
				-121.220055 °	-121.267290 °
DWR ID	DWR_NA0017_02_f_2021_33				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0017_149_33_20211021_00088.jpg



Typical view of well maintained vegetation on the landside slope. Fall 2021

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	10/21/2021 10/21/2021	Alberto De Leon

LM Start	0.50	Rating **	U	Issue No.	36	
LM End	0.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.875178 °	37.875178 °	
				-121.228514 °	-121.228514 °	
DWR ID	17986					
Comment Code						
Inspector Comment						
DS_ID:17986 FS_ID:67106 EP_NO: N/A Repair Type: Urgent EVAL Issue: Flood Risk Crossing Status: Found UCIP Comments: 04/28/2021 The record has been upgraded from No Action Needed to Urgent. No flapgate on the WS, pipe is open on both ends. There is an 8inch plastic pipe now going through this metal pipe that looks to go underground possibly under the channel on WS. Need more information from owner. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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: 4/28/2021						

Photo 1 of 3 : UCIP_FA_2021_67106_96992.jpg



Levee crown looking upstream.

LM Start	0.50	Rating **	U	Issue No.	36 (cont)
LM End	0.50	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_67106_96994.jpg



LS view: Pipe end visible at toe from crown.

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	10/21/2021 10/21/2021	Alberto De Leon

LM Start	0.50	Rating **	U	Issue No.	36 (cont)
LM End	0.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.875178 °	37.875178 °
				-121.228514 °	-121.228514 °
DWR ID	17986				

Photo 3 of 3 : UCIP_FA_2021_67106_96995.jpg



LS view: Pipe inlet at toe.

LM Start	1.02	Rating **	C	Issue No.	16
LM End	1.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.877136 °	37.877136 °
				-121.236278 °	-121.236278 °
DWR ID	DWR_NA0017_02_s_2020_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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	10/21/2021 10/21/2021	Alberto De Leon

LM Start	1.06	Rating **	M	Issue No.	41	
LM End	1.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.877386 °	37.877386 °	
				-121.237044 °	-121.237044 °	
DWR ID	17983					
Comment Code						
Inspector Comment						
DS_ID:17983 FS_ID:67104 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 04/28/2021 The record has been upgraded from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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: 4/28/2021						

LM Start	1.06	Rating **	M	Issue No.	41 (cont)
LM End	1.06	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67104_97012.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2021_67104_97013.jpg



LS view: Slope and toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	10/21/2021 10/21/2021	Alberto De Leon

LM Start	1.06	Rating **	M	Issue No.	41 (cont)
LM End	1.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.877386 °	37.877386 °
				-121.237044 °	-121.237044 °
DWR ID	17983				

Photo 3 of 3 : UCIP_FA_2021_67104_97014.jpg



LS view: Slope and pipe inlet at toe.

LM Start	1.27	Rating **	C	Issue No.	15
LM End	1.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.879247 °	37.879247 °
				-121.239940 °	-121.239940 °
DWR ID	DWR_NA0017_02_s_2021_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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	10/21/2021 10/21/2021	Alberto De Leon

LM Start	1.47	Rating **	M	Issue No.	47
LM End	1.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.879657 °	37.879657 °
				-121.243467 °	-121.243467 °
DWR ID	23984				
Comment Code					
Inspector Comment					
DS_ID:23984 FS_ID:67093 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 04/28/2021 Record has been upgraded from No Action Needed to Non-Urgent. Unit 2 – Littlejohn Creek (CLM 1.20 to 1.70) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 1.20-1.70 of Unit 2 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. Minor warping of LS pipe edges. Current condition of pipe crossing does not impede access to patrol road/high ground area. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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: 4/28/2021					

LM Start	1.47	Rating **	M	Issue No.	47 (cont)
LM End	1.47	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67093_97051.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2021_67093_97052.jpg



LS view: Toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	10/21/2021 10/21/2021	Alberto De Leon

LM Start	1.47	Rating **	M	Issue No.	47 (cont)
LM End	1.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.879657 °	37.879657 °
				-121.243467 °	-121.243467 °
DWR ID	23984				

Photo 3 of 3 : UCIP_FA_2021_67093_97053.jpg



LS view: Slope and pipe inlet at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	10/21/2021 10/21/2021	Alberto De Leon

LM Start	1.48	Rating **	M	Issue No.	48
LM End	1.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.879603 °	37.879603 °
				-121.243671 °	-121.243671 °
DWR ID	23998				
Comment Code					
Inspector Comment					
DS_ID:23998 FS_ID:67094 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 04/28/2021 Record has been upgraded from No access to patrol road/high ground area. No permit was found Action Needed to Non-Urgent. Unit 2 – Littlejohn Creek (CLM 1.20 to 1.70) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 1.20-1.70 of Unit 2 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Current condition of pipe crossing does not impede access to patrol road/high ground area. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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: 4/28/2021					

Photo 1 of 3 : UCIP_FA_2021_67094_97062.jpg



Levee crown 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	10/21/2021 10/21/2021	Alberto De Leon

LM Start	1.48	Rating **	M	Issue No.	48 (cont)
LM End	1.48	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.879603 °	37.879603 °	
			-121.243671 °	-121.243671 °	
DWR ID	23998				

Photo 2 of 3 : UCIP_FA_2021_67094_97066.jpg



LS view: Toe from crown.

LM Start	1.48	Rating **	M	Issue No.	48 (cont)
LM End	1.48	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67094_97063.jpg



WS view: Slope and plate gate at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 SPRR Drain	Left	0.46	10/20/2021 10/20/2021	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	0.41	Rating **	M	Issue No.	5
LM End	0.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.979280 °	37.979310 °
				-121.091427 °	-121.090437 °
DWR ID	DWR_NA0017_06_f_2021_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0017_150_5_20211020_00010.jpg



Typical view of vegetation along the landside slope. Fall 2021

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

**** Rating**
A : Acceptable N : Not Inspected/Rated
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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	0.46	Rating **	C	Issue No.	128
LM End	0.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.043565 °	38.043565 °
				-121.365300 °	-121.365300 °
DWR ID	DWR_NA0017_07_f_2020_128				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.64	Rating **	C	Issue No.	126
LM End	0.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.043499 °	38.043499 °
				-121.361984 °	-121.361984 °
DWR ID	DWR_NA0017_07_s_2021_126				
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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	1.33	Rating **	M	Issue No.	1069	
LM End	1.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.043286 °	38.043286 °	
				-121.349368 °	-121.349368 °	
DWR ID	23695					
Comment Code						
Inspector Comment						
DS_ID:23695 FS_ID:66385 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/16/2021 The record has been upgraded from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H. Dunn and LMA representative, M. Mccoy. (B. Singh – GEI) 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: 2/16/2021						

LM Start	1.33	Rating **	M	Issue No.	1069 (cont)
LM End	1.33	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66385_95727.jpg



Overview of levee crown, looking US

Photo 2 of 3 : UCIP_FA_2021_66385_95728.jpg



LS view: View toward LS toe and pumping plant from levee crown

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	1.33	Rating **	M	Issue No.	1070 (cont)
LM End	1.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043289 °	38.043289 °
				-121.349353 °	-121.349353 °
DWR ID	23650				

Photo 2 of 3 : UCIP_FA_2021_66387_95734.jpg



LS view: View toward LS toe and pump station from levee crown

LM Start	1.33	Rating **	M	Issue No.	1070 (cont)
LM End	1.33	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66387_95735.jpg



LS view: LS slope from LS toe

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	1.33	Rating **	M	Issue No.	1071
LM End	1.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043291 °	38.043291 °
				-121.349327 °	-121.349327 °
DWR ID	23691				
Comment Code					
Inspector Comment					
DS_ID:23691 FS_ID:66388 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/16/2021 The record has been upgraded from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H. Dunn and LMA representative, M. Mccoy. (B. Singh – GEI) 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: 2/16/2021					

LM Start	1.33	Rating **	M	Issue No.	1071 (cont)
LM End	1.33	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66388_95739.jpg



WS view: Pipe at WS toe

Photo 2 of 3 : UCIP_FA_2021_66388_95740.jpg



WS view: Pipe and WS slope from 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
--	--	---	---

San Joaquin County Flood Control and Water Conservation District

Page 6 of 129

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	1.33	Rating **	M	Issue No.	1072 (cont)
LM End	1.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043291 °	38.043291 °
				-121.349299 °	-121.349299 °
DWR ID	23692				

Photo 2 of 3 : UCIP_FA_2021_66389_95746.jpg



Overview of levee crown, looking US

LM Start	1.33	Rating **	M	Issue No.	1072 (cont)
LM End	1.33	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66389_95747.jpg



LS view: View toward LS toe and pump station from levee crown

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	1.33	Rating **	M	Issue No.	1073	
LM End	1.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.043293 °	38.043293 °	
				-121.349270 °	-121.349270 °	
DWR ID	23693					
Comment Code						
Inspector Comment						
DS_ID:23693 FS_ID:66390 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/16/2021 The record has been upgraded from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H. Dunn and LMA representative, M. Mccoy. (B. Singh – GEI) 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: 2/16/2021						

LM Start	1.33	Rating **	M	Issue No.	1073 (cont)
LM End	1.33	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66390_95749.jpg



WS view: Pipe at WS toe

Photo 2 of 3 : UCIP_FA_2021_66390_95750.jpg



WS view: Pipe and slope from 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	1.33	Rating **	M	Issue No.	1073 (cont)
LM End	1.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043293 °	38.043293 °
				-121.349270 °	-121.349270 °
DWR ID	23693				

Photo 3 of 3 : UCIP_FA_2021_66390_95751.jpg



LS view: View toward pump station and LS toe from levee crown

LM Start	1.33	Rating **	M	Issue No.	1074
LM End	1.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043295 °	38.043295 °
				-121.349240 °	-121.349240 °
DWR ID	23694				

Comment Code

Inspector Comment

DS_ID:23694
 FS_ID:66391
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 02/16/2021 The record has been upgraded from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, H. Dunn and LMA representative, M. McCoy. (B. Singh – GEI)
 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: 2/16/2021

Photo 1 of 3 : UCIP_FA_2021_66391_95755.jpg



WS view: 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	1.33	Rating **	M	Issue No.	1074 (cont)
LM End	1.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043295 °	38.043295 °
				-121.349240 °	-121.349240 °
DWR ID	23694				

Photo 2 of 3 : UCIP_FA_2021_66391_95756.jpg



WS view: Pipe (right) and WS slope from WS toe

LM Start	1.33	Rating **	M	Issue No.	1074 (cont)
LM End	1.33	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66391_95757.jpg



Overview of levee crown, looking US

LM Start	1.41	Rating **	M	Issue No.	133
LM End	1.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.043311 °	38.043311 °
				-121.347722 °	-121.347722 °
DWR ID	DWR_NA0017_07_s_2020_133				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	1.46	Rating **	C	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					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.88	Rating **	C	Issue No.	164
LM End	1.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.043256 °	38.043256 °
				-121.339157 °	-121.339157 °
DWR ID	DWR_NA0017_07_s_2021_164				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.03	Rating **	M	Issue No.	252
LM End	2.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043238 °	38.043220 °
				-121.336427 °	-121.333682 °
DWR ID	DWR_NA0017_07_f_2021_252				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	2.13	Rating **	M	Issue No.	253
LM End	2.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.043225 °	38.043225 °
				-121.334541 °	-121.334541 °
DWR ID	DWR_NA0017_07_f_2021_253				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0017_151_253_20211018_00568.jpg



View of untrimmed tree within the landside easement. Fall 2021

LM Start	2.31	Rating **	M	Issue No.	1082	
LM End	2.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.043195 °	38.043195 °	
				-121.331260 °	-121.331260 °	
DWR ID	23522					
Comment Code						
Inspector Comment						
DS_ID:23522 FS_ID:66461 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/17/2021 Record was updated from No Action Needed to Non-Urgent. Upon inspection, LS pipe edges were warped and the coated tar lining deteriorating. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh, N. Cholewinski, and LMA representative, J. Caruso. (H. Dunn – GEI) 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: 2/17/2021						

Photo 1 of 3 : UCIP_FA_2021_66461_91080.jpg



WS view: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	2.31	Rating **	M	Issue No.	1082 (cont)
LM End	2.31	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043195 °	38.043195 °
				-121.331260 °	-121.331260 °
DWR ID	23522				

Photo 2 of 3 : UCIP_FA_2021_66461_91081.jpg



WS view: Headwall and flapgate on WS toe.

LM Start	2.31	Rating **	M	Issue No.	1082 (cont)
LM End	2.31	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66461_91082.jpg



Levee crown.

LM Start	2.35	Rating **	C	Issue No.	168
LM End	2.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.043196 °	38.043196 °
				-121.330631 °	-121.330631 °
DWR ID	DWR_NA0017_07_s_2021_168				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	2.64	Rating **	M	Issue No.	1083	
LM End	2.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.043146 °	38.043146 °	
				-121.325350 °	-121.325350 °	
DWR ID	23523					
Comment Code						
Inspector Comment						
DS_ID:23523 FS_ID:63990 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/17/2021 Record was updated from No Action Needed to Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. Barbed wire over the LS toe headwall, could not inspect further. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh, N. Cholewinski, and LMA representative, J. Caruso. (H. Dunn – GEI) 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: 2/17/2021						

Photo 1 of 3 : UCIP_FA_2021_63990_91085.jpg



Levee crown.

LM Start	2.64	Rating **	M	Issue No.	1083 (cont)
LM End	2.64	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_63990_91086.jpg



LS view: LS headwall from crown. Note barbed wire prevented access to 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	2.64	Rating **	M	Issue No.	1083 (cont)
LM End	2.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043146 °	38.043146 °
				-121.325350 °	-121.325350 °
DWR ID	23523				

Photo 3 of 3 : UCIP_FA_2021_63990_91087.jpg



LS view: WS headwall at toe from crown.

LM Start	2.70	Rating **	C	Issue No.	173
LM End	2.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.043167 °	38.043167 °
				-121.324208 °	-121.324208 °
DWR ID	DWR_NA0017_07_s_2021_173				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	2.80	Rating **	M	Issue No.	1086	
LM End	2.80	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.043164 °	38.043164 °	
				-121.322283 °	-121.322283 °	
DWR ID	23525					
Comment Code						
Inspector Comment						
DS_ID:23525 FS_ID:66466 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/17/2021 Record was updated from No Action Needed to Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. Minor erosion on one edge of the LS headwall. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh, N. Cholewinski, and LMA representative, J. Caruso. (H. Dunn – GEI) 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: 2/17/2021						

LM Start	2.80	Rating **	M	Issue No.	1086 (cont)
LM End	2.80	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66466_91140.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2021_66466_91141.jpg



LS view: LS headwall at toe. Minor scouring on left side of headwall.

* 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	2.80	Rating **	M	Issue No.	1086 (cont)
LM End	2.80	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043164 °	38.043164 °
				-121.322283 °	-121.322283 °
DWR ID	23525				

Photo 3 of 3 : UCIP_FA_2021_66466_91142.jpg



LS view: LS pipe.

LM Start	2.83	Rating **	M	Issue No.	1087
LM End	2.83	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043199 °	38.043199 °
				-121.321841 °	-121.321841 °
DWR ID	23526				

Photo 1 of 3 : UCIP_FA_2021_66468_91156.jpg



Levee crown looking upstream.

Comment Code					
Inspector Comment					
DS_ID:23526 FS_ID:66468 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/17/2021 Record was updated from No Action Needed to Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh, N. Cholewinski, and LMA representative, J. Caruso. (H. Dunn – GEI) 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: 2/17/2021					

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	2.83	Rating **	M	Issue No.	1087 (cont)
LM End	2.83	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043199 °	38.043199 °
				-121.321841 °	-121.321841 °
DWR ID	23526				

Photo 2 of 3 : UCIP_FA_2021_66468_91157.jpg



LS view: LS headwall at toe from crown.

LM Start	2.83	Rating **	M	Issue No.	1087 (cont)
LM End	2.83	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66468_91158.jpg



LS view: LS headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	3.06	Rating **	M	Issue No.	1088	
LM End	3.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.043195 °	38.043195 °	
				-121.317498 °	-121.317498 °	
DWR ID	23528					
Comment Code						
Inspector Comment						
DS_ID:23528 FS_ID:66469 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/17/2021 Record was updated from No Action Needed to Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh, N. Cholewinski, and LMA representative, J. Caruso. (H. Dunn – GEI) 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: 2/17/2021						

Photo 1 of 3 : UCIP_FA_2021_66469_95478.jpg



Levee crown looking upstream.

LM Start	3.06	Rating **	M	Issue No.	1088 (cont)
LM End	3.06	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66469_95479.jpg



LS View: Headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	3.06	Rating **	M	Issue No.	1088 (cont)
LM End	3.06	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.043195 °	38.043195 °	
			-121.317498 °	-121.317498 °	
DWR ID	23528				

Photo 3 of 3 : UCIP_FA_2021_66469_95480.jpg



LS View: Pipe inlet.

LM Start	3.27	Rating **	M	Issue No.	1092
LM End	3.27	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.043193 °	38.043193 °	
			-121.313684 °	-121.313684 °	
DWR ID	23532				

Comment Code

Inspector Comment

DS_ID:23532
 FS_ID:66347
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Pipe Damage
 Crossing Status: Found
 UCIP Comments: 02/17/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Minor erosion underneath the grouted WS spillway. 2 feet in length, half foot in height. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh, N. Cholewinski, and LMA representative, J. Caruso. (H. Dunn – GEI)
 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: 2/17/2021

Photo 1 of 3 : UCIP_FA_2021_66347_93666.jpg



WS headwall and flapgate at toe. Minor erosion underneath 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	3.27	Rating **	M	Issue No.	1092 (cont)
LM End	3.27	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.043193 °	38.043193 °
				-121.313684 °	-121.313684 °
DWR ID	23532				

Photo 2 of 3 : UCIP_FA_2021_66347_93662.jpg



LS view: LS headwall at toe.

LM Start	3.27	Rating **	M	Issue No.	1092 (cont)
LM End	3.27	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66347_95505.jpg



WS view: Headwall and close up view of flapgate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	3.49	Rating **	M	Issue No.	1095	
LM End	3.49	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.043048 °	38.043048 °	
				-121.309641 °	-121.309641 °	
DWR ID	23533					
Comment Code						
Inspector Comment						
DS_ID:23533 FS_ID:66479 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/17/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh, N. Cholewinski, and LMA representative, J. Caruso. (H. Dunn – GEI) 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: 2/17/2021						

Photo 1 of 3 : UCIP_FA_2021_66479_93682.jpg



WS view: WS headwall at toe from crown.

LM Start	3.49	Rating **	M	Issue No.	1095 (cont)
LM End	3.49	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66479_93684.jpg



Levee crown 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	3.49	Rating **	M	Issue No.	1095 (cont)	
LM End	3.49	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.043048 °		38.043048 °
				-121.309641 °		-121.309641 °
DWR ID	23533					

Photo 3 of 3 : UCIP_FA_2021_66479_95513.jpg



WS view: Headwall and close up of flapgate.

LM Start	3.78	Rating **	U	Issue No.	1097
LM End	3.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.042997 °	38.042997 °
				-121.304345 °	-121.304345 °
DWR ID	23534				

Comment Code

Inspector Comment

DS_ID:23534
 FS_ID:66870
 EP_NO: N/A
 Repair Type: Urgent
 EVAL Issue: Pipe Integrity
 Crossing Status: Found
 UCIP Comments: 02/17/2021 The record has been upgraded from No Action Needed to Urgent. DWR DMP has found integrity issues, LOF between 5 and 6. Crossing will be monitored until funding becomes available to be addressed. Holes and peeling of metal on the inside bottom of the LS pipe. Recommend LMA create contingency plan for increased inspections during high-water. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh, N. Cholewinski, and LMA representative, J. Caruso. (H. Dunn – GEI)
 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: 2/17/2021

Photo 1 of 3 : UCIP_FA_2021_66870_93717.jpg



WS view: WS headwall and flapgate at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	3.78	Rating **	U	Issue No.	1097 (cont)
LM End	3.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.042997 °	38.042997 °
				-121.304345 °	-121.304345 °
DWR ID	23534				

Photo 2 of 3 : UCIP_FA_2021_66870_93718.jpg



WS view: WS headwall and flapgate at toe.

LM Start	3.78	Rating **	U	Issue No.	1097 (cont)
LM End	3.78	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66870_93719.jpg



WS view: WS headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	4.05	Rating **	U	Issue No.	1099	
LM End	4.05	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.043975 °	38.043975 °	
				-121.299901 °	-121.299901 °	
DWR ID	23535					
Comment Code						
Inspector Comment						
DS_ID:23535 FS_ID:66485 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 02/17/2021 The record has been upgraded from No Action Needed to Urgent. DWR DMP has found integrity issues, LOF between 5 and 6. Crossing will be monitored until funding becomes available to be addressed. Recommend LMA to prepare contingency plan for increased inspections during high-water. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh, N. Cholewinski, and LMA representative, J. Caruso. (H. Dunn – GEI) 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: 2/17/2021						

Photo 1 of 3 : UCIP_FA_2021_66485_95535.jpg



WS view: Headwall and close up of flapgate.

LM Start	4.05	Rating **	U	Issue No.	1099 (cont)
LM End	4.05	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66485_95536.jpg



LS view: Headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	4.05	Rating **	U	Issue No.	1099 (cont)	
LM End	4.05	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.043975 °	38.043975 °	
				-121.299901 °	-121.299901 °	
DWR ID	23535					

Photo 3 of 3 : UCIP_FA_2021_66485_93735.jpg



Levee crown looking upstream.

LM Start	4.29	Rating **	M	Issue No.	1100
LM End	4.29	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.044464 °	38.044464 °
				-121.295611 °	-121.295611 °
DWR ID	23536				

Comment Code

Inspector Comment

DS_ID:23536
 FS_ID:66486
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Safety Issue
 Crossing Status: Found
 UCIP Comments: 02/17/2021 The record has been upgraded from No Action Needed to Non-Urgent. LS concrete liner around riser is cracked and misaligned, as well as no cover. DWR DMP Geophysical study indicates possible presence of pipe through levee at 38.0444641, -121.2956106, coordinates have been updated. Owner needs to coordinate with the CVFPB to remove or abandon crossing according to Title 23 requirements. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh, N. Cholewinski, and LMA representative, J. Caruso. (H. Dunn – GEI)
 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: 2/17/2021

Photo 1 of 3 : UCIP_FA_2021_66486_93742.jpg



WS view: WS toe from crown, metal riser with slidegate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	4.29	Rating **	M	Issue No.	1100 (cont)	
LM End	4.29	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.044464 °	38.044464 °	
				-121.295611 °	-121.295611 °	
DWR ID	23536					

Photo 2 of 3 : UCIP_FA_2021_66486_93743.jpg



LS view: LS toe from crown, metal riser with slidegate.

LM Start	4.29	Rating **	M	Issue No.	1100 (cont)
LM End	4.29	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66486_95547.jpg



WS view: Inside metal riser with slidegate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	4.34	Rating **	M	Issue No.	1103
LM End	4.34	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.045049 °	38.045049 °
				-121.295033 °	-121.295033 °
DWR ID	23538				
Comment Code					
Inspector Comment					
DS_ID:23538 FS_ID:66490 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/18/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. True location was around 20 feet south, coordinates have been updated to 38.0450489, -121.2950334. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh and LMA representative, M. Mccoy. (H. Dunn – GEI) 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: 2/18/2021					

Photo 1 of 3 : UCIP_FA_2021_66490_91205.jpg



WS view: WS headwall at toe from crown.

LM Start	4.34	Rating **	M	Issue No.	1103 (cont)
LM End	4.34	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66490_91206.jpg



Levee crown 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	4.54	Rating **	U	Issue No.	1105 (cont)
LM End	4.54	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.047472 °	38.047472 °
				-121.293007 °	-121.293007 °
DWR ID	23540				

Photo 2 of 3 : UCIP_FA_2021_66492_91230.jpg



Levee crown looking upstream.

LM Start	4.54	Rating **	U	Issue No.	1105 (cont)
LM End	4.54	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66492_91231.jpg



WS view: Headwall at WS toe from crown.

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	4.97	Rating **	M	Issue No.	1110	
LM End	4.97	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.050685 °	38.050685 °	
				-121.286569 °	-121.286569 °	
DWR ID	23543					
Comment Code						
Inspector Comment						
DS_ID:23543 FS_ID:66501 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 02/18/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh and LMA representative, M. Mccoy. (H. Dunn – GEI) 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: 2/18/2021						

Photo 1 of 3 : UCIP_FA_2021_66501_91293.jpg



LS view: LS headwall at toe from crown.

LM Start	4.97	Rating **	M	Issue No.	1110 (cont)
LM End	4.97	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66501_91294.jpg



LS view: Left side headwall and pipe on LS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	4.97	Rating **	M	Issue No.	1110 (cont)
LM End	4.97	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.050685 °	38.050685 °
				-121.286569 °	-121.286569 °
DWR ID	23543				

Photo 3 of 3 : UCIP_FA_2021_66501_91295.jpg



LS view: Headwall and pipes on LS toe.

LM Start	4.97	Rating **	M	Issue No.	1111
LM End	4.97	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.050700 °	38.050700 °
				-121.286552 °	-121.286552 °
DWR ID	23678				

Comment Code

Inspector Comment

DS_ID:23678
 FS_ID:64042
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 02/18/2021 Pipe status is still Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. Minor debris inside LS pipe. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh and LMA representative, M. McCoy. (H. Dunn – GEI)
 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: 2/10/2021

Photo 1 of 3 : UCIP_FA_2021_64042_91399.jpg



LS view: LS headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	4.97	Rating **	M	Issue No.	1111 (cont)
LM End	4.97	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.050700 °	38.050700 °
				-121.286552 °	-121.286552 °
DWR ID	23678				

Photo 2 of 3 : UCIP_FA_2021_64042_91400.jpg



LS view: LS headwall and pipes at toe.

LM Start	4.97	Rating **	M	Issue No.	1111 (cont)
LM End	4.97	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_64042_91402.jpg



LS view: LS headwall and pipe at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	5.50	Rating **	U	Issue No.	1112
LM End	5.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.052790 °	38.052790 °
				-121.277636 °	-121.277636 °
DWR ID	23544				
Comment Code					
Inspector Comment					
DS_ID:23544 FS_ID:66503 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 02/18/2021 The record has been upgraded from No Action Needed to Urgent. Outside edges of WS pipe are warped with minor erosion on WS slope along pipe alignment. DWR DMP has found integrity issues, LOF between 5 and 6. Crossing will be monitored until funding becomes available to address. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh and LMA representative, M. Mccoy. (H. Dunn – GEI) 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: 2/18/2021					

Photo 1 of 3 : UCIP_FA_2021_66503_91418.jpg



WS view: WS headwall at toe from crown.

LM Start	5.50	Rating **	U	Issue No.	1112 (cont)
LM End	5.50	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66503_91419.jpg



WS view: WS headwall and flagate at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	5.50	Rating **	U	Issue No.	1112 (cont)	
LM End	5.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.052790 °	38.052790 °	
				-121.277636 °	-121.277636 °	
DWR ID	23544					

Photo 3 of 3 : UCIP_FA_2021_66503_91415.jpg



WS view: WS flapgate.

LM Start	5.52	Rating **	M	Issue No.	1114
LM End	5.52	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.052797 °	38.052797 °
				-121.277231 °	-121.277231 °
DWR ID	23545				

Photo 1 of 3 : UCIP_FA_2021_66869_91732.jpg



Levee crown looking upstream.

Comment Code					
Inspector Comment					
DS_ID:23545 FS_ID:66869 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 02/18/2021 Pipe status is still Non-Urgent. Bullet holes seen through LS flapgate compromising effectiveness. LMA stated they would have the holes welded shut within 2 years. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh and LMA representative, M. McCoy. (H. Dunn – GEI) 05/15/2014 Some sediment buildup inside pipe. (W. Wylie - DWR UCIP) 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: 2/18/2021					

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	5.52	Rating **	M	Issue No.	1114 (cont)
LM End	5.52	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.052797 °	38.052797 °
				-121.277231 °	-121.277231 °
DWR ID	23545				

Photo 2 of 3 : UCIP_FA_2021_66869_91733.jpg



WS view: WS headwall at toe from crown.

LM Start	5.52	Rating **	M	Issue No.	1114 (cont)
LM End	5.52	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66869_91734.jpg



WS view: WS headwall and flapgate at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	5.60	Rating **	U	Issue No.	1115	
LM End	5.60	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.052793 °	38.052793 °	
				-121.275858 °	-121.275858 °	
DWR ID	23546					
Comment Code						
Inspector Comment						
DS_ID:23546 FS_ID:66509 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 02/18/2021 The record has been upgraded from Non-Urgent to Urgent. No LS pipe visible, and LMA has confirmed that the pipe is abandoned, has been grouted, and will be removed within 5 years. DWR DMP has found integrity issues, LOF between 5 and 6. Crossing will be monitored until funding becomes available for it to be addressed. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh and LMA representative, M. McCoy. (H. Dunn – GEI) 05/15/2014 Inlet buried at LS toe. Pipe may be abandoned and if so should be done so properly. (W. Wylie - DWR UCIP) 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: 2/18/2021						

LM Start	5.60	Rating **	U	Issue No.	1115 (cont)
LM End	5.60	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66509_91739.jpg



WS view: WS headwall at toe from crown.

Photo 2 of 3 : UCIP_FA_2021_66509_91740.jpg



WS view: WS headwall and flapgate at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	5.60	Rating **	U	Issue No.	1115 (cont)
LM End	5.60	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.052793 °	38.052793 °	
			-121.275858 °	-121.275858 °	
DWR ID	23546				

Photo 3 of 3 : UCIP_FA_2021_66509_91737.jpg



WS view: WS flapgate at toe.

LM Start	5.82	Rating **	U	Issue No.	1120
LM End	5.82	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.053578 °	38.053578 °	
			-121.271938 °	-121.271938 °	
DWR ID	23550				

Comment Code

Inspector Comment

DS_ID:23550
FS_ID:66523
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: Pipe Integrity
Crossing Status: Found
UCIP Comments: 02/18/2021 The record has been upgraded from No Action Needed to Urgent. DWR DMP has found integrity issues, LOF between 5 and 6. Crossing will be monitored until funding becomes available for it to be addressed. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh and LMA representative, M. McCoy. (H. Dunn – GEI)
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: 2/18/2021

Photo 1 of 3 : UCIP_FA_2021_66523_91770.jpg



WS view: WS headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	5.82	Rating **	U	Issue No.	1120 (cont)
LM End	5.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.053578 °	38.053578 °
				-121.271938 °	-121.271938 °
DWR ID	23550				

Photo 2 of 3 : UCIP_FA_2021_66523_91771.jpg



WS view: WS headwall and flapgate at toe.

LM Start	5.82	Rating **	U	Issue No.	1120 (cont)
LM End	5.82	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66523_91772.jpg



WS view: WS flapgate at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	5.93	Rating **	M	Issue No.	1121	
LM End	5.93	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.053679 °	38.053679 °	
				-121.269812 °	-121.269812 °	
DWR ID	23551					
Comment Code						
Inspector Comment						
DS_ID:23551 FS_ID:66524 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 02/18/2021 Pipe status is still Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh and LMA representative, M. McCoy. (H. Dunn – GEI) 05/15/2014 Sediment buildup in pipe at LS toe. (W. Wylie - DWR UCIP) 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: 2/18/2021						

Photo 1 of 3 : UCIP_FA_2021_66524_91777.jpg



WS view: WS headwall at toe from crown.

LM Start	5.93	Rating **	M	Issue No.	1121 (cont)
LM End	5.93	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66524_91778.jpg



WS view: WS headwall and flapgate at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	5.93	Rating **	M	Issue No.	1121 (cont)
LM End	5.93	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.053679 °	38.053679 °
				-121.269812 °	-121.269812 °
DWR ID	23551				

Photo 3 of 3 : UCIP_FA_2021_66524_91779.jpg



WS view: WS flapgate at toe.

LM Start	6.11	Rating **	M	Issue No.	1125
LM End	6.11	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.054467 °	38.054467 °
				-121.266715 °	-121.266715 °
DWR ID	23552				

Comment Code

Inspector Comment

DS_ID:23552
 FS_ID:66529
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Levee Damage or Threat for Levee Damage
 Crossing Status: Found
 UCIP Comments: 02/18/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. Cracking in soil on WS berm (4 feet), recommend monitoring area for material loss. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh and LMA representative, M. McCoy. (H. Dunn – GEI)
 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: 2/18/2021

Photo 1 of 3 : UCIP_FA_2021_66529_91804.jpg



LS view: LS headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	6.11	Rating **	M	Issue No.	1125 (cont)
LM End	6.11	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.054467 °	38.054467 °
				-121.266715 °	-121.266715 °
DWR ID	23552				

Photo 2 of 3 : UCIP_FA_2021_66529_91805.jpg



LS view: LS headwall and slide gate at toe.

LM Start	6.11	Rating **	M	Issue No.	1125 (cont)
LM End	6.11	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66529_91806.jpg



LS view: LS slide gate at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	6.13	Rating **	M	Issue No.	1127	
LM End	6.13	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.054497 °		38.054497 °
				-121.266387 °		-121.266387 °
DWR ID	23554					
Comment Code						
Inspector Comment						
DS_ID:23554 FS_ID:66531 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 02/18/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh and LMA representative, M. Mccoy. (H. Dunn – GEI) 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: 2/18/2021						

Photo 1 of 3 : UCIP_FA_2021_66531_68873.jpg



Headwall on LS toe.

LM Start	6.13	Rating **	M	Issue No.	1127 (cont)
LM End	6.13	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66531_68872.jpg



Headwall, flapgate, and grouted spillway on WS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	6.13	Rating **	M	Issue No.	1127 (cont)
LM End	6.13	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.054497 °	38.054497 °	
			-121.266387 °	-121.266387 °	
DWR ID	23554				

Photo 3 of 3 : UCIP_FA_2021_66531_68871.jpg



Headwall on LS toe.

LM Start	6.44	Rating **	M	Issue No.	1130
LM End	6.44	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.057275 °	38.057275 °	
			-121.262193 °	-121.262193 °	
DWR ID	23555				

Comment Code

Inspector Comment

DS_ID:23555
 FS_ID:66534
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Pipe Damage
 Crossing Status: Found
 UCIP Comments: 02/18/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh and LMA representative, M. McCoy. (H. Dunn – GEI)
 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: 2/18/2021

Photo 1 of 3 : UCIP_FA_2021_66534_91834.jpg



LS view: LS headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	6.44	Rating **	M	Issue No.	1130 (cont)
LM End	6.44	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.057275 °	38.057275 °
				-121.262193 °	-121.262193 °
DWR ID	23555				

Photo 2 of 3 : UCIP_FA_2021_66534_91835.jpg



LS view: LS headwall at toe.

LM Start	6.44	Rating **	M	Issue No.	1130 (cont)
LM End	6.44	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66534_91836.jpg



LS view: LS pipe.

LM Start	6.47	Rating **	M	Issue No.	22
LM End	6.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.057560 °	38.060650 °
				-121.262425 °	-121.260234 °
DWR ID	DWR_NA0017_07_f_2021_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	6.62	Rating **	M	Issue No.	1133	
LM End	6.62	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.059521 °	38.059521 °	
				-121.261491 °	-121.261491 °	
DWR ID	23557					
Comment Code						
Inspector Comment						
DS_ID:23557						
FS_ID:66537						
EP_NO: N/A						
Repair Type: Non-Urgent						
EVAL Issue: Pipe Damage						
Crossing Status: Found						
UCIP Comments: 02/18/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh and LMA representative, M. Mccoy. (H. Dunn – GEI)						
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: 2/18/2021						

Photo 1 of 3 : UCIP_FA_2021_66537_91851.jpg



LS view: LS headwall at toe from crown.

LM Start	6.62	Rating **	M	Issue No.	1133 (cont)
LM End	6.62	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66537_91852.jpg



LS view: LS headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	6.62	Rating **	M	Issue No.	1133 (cont)
LM End	6.62	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.059521 °	38.059521 °
				-121.261491 °	-121.261491 °
DWR ID	23557				

Photo 3 of 3 : UCIP_FA_2021_66537_91853.jpg



LS view: LS pipe.

LM Start	6.73	Rating **	M	Issue No.	196
LM End	6.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.060780 °	38.060780 °
				-121.260158 °	-121.260158 °
DWR ID	DWR_NA0017_07_s_2021_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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	6.76	Rating **	U	Issue No.	1135	
LM End	6.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.061050 °		38.061050 °
				-121.259836 °		-121.259836 °
DWR ID	23559					
Comment Code						
Inspector Comment						
DS_ID:23559 FS_ID:66540 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 02/24/2021 The record has been upgraded from No Action Needed to Urgent. Did not inspect LS due to safety issues (large homeless encampment under freeway). DWR DMP has found integrity issues, LOF between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI) 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: 2/24/2021						

Photo 1 of 3 : UCIP_FA_2021_66540_68857.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	6.76	Rating **	U	Issue No.	1135 (cont)
LM End	6.76	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66540_91860.jpg



WS headwall and flapgate at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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**

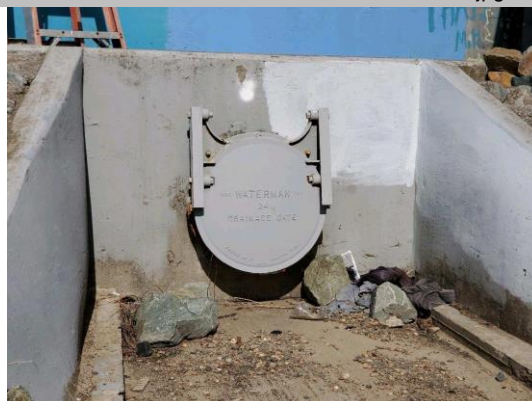
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	6.76	Rating **	U	Issue No.	1135 (cont)	
LM End	6.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.061050 °	38.061050 °	
				-121.259836 °	-121.259836 °	
DWR ID	23559					

Photo 3 of 3 : UCIP_FA_2021_66540_91861.jpg



WS flapgate at toe.

LM Start	6.82	Rating **	M	Issue No.	1137
LM End	6.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.061678 °	38.061678 °
				-121.259084 °	-121.259084 °
DWR ID	23561				

Comment Code

Inspector Comment

DS_ID:23561
FS_ID:66542
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Levee Damage or Threat for Levee Damage
Crossing Status: Found
UCIP Comments: 02/24/2021 The record has been upgraded from No Action Needed to Non-Urgent. Minor erosion along the right edge of the LS headwall and slope. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI)
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: 2/24/2021

Photo 1 of 3 : UCIP_FA_2021_66542_91867.jpg



LS headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	6.82	Rating **	M	Issue No.	1137 (cont)
LM End	6.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.061678 °	38.061678 °
				-121.259084 °	-121.259084 °
DWR ID	23561				

Photo 2 of 3 : UCIP_FA_2021_66542_91868.jpg



LS headwall at toe.

LM Start	6.82	Rating **	M	Issue No.	1137 (cont)
LM End	6.82	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66542_91862.jpg



LS headwall with minor erosion on slope on side of 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	6.95	Rating **	M	Issue No.	1139
LM End	6.95	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.062847 °	38.062847 °
				-121.257143 °	-121.257143 °
DWR ID	23562				
Comment Code					
Inspector Comment					
DS_ID:23562 FS_ID:66544 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 02/24/2021 The record has been upgraded from No Action Needed to Non-Urgent. Concrete lining chipping off inside of LS pipe. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI) 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: 2/24/2021					

Photo 1 of 3 : UCIP_FA_2021_66544_91882.jpg



LS view: LS headwall at toe from crown.

LM Start	6.95	Rating **	M	Issue No.	1139 (cont)
LM End	6.95	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66544_91883.jpg



LS view: LS headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	6.95	Rating **	M	Issue No.	1139 (cont)
LM End	6.95	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.062847 °	38.062847 °
				-121.257143 °	-121.257143 °
DWR ID	23562				

Photo 3 of 3 : UCIP_FA_2021_66544_91884.jpg



LS view: LS pipe.

LM Start	7.11	Rating **	M	Issue No.	1140
LM End	7.11	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.064076 °	38.064076 °
				-121.254656 °	-121.254656 °
DWR ID	23563				

Comment Code

Inspector Comment

DS_ID:23563
 FS_ID:64078
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 02/24/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI)
 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: 2/24/2021

Photo 1 of 3 : UCIP_FA_2021_64078_91889.jpg



LS headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	7.11	Rating **	M	Issue No.	1140 (cont)
LM End	7.11	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.064076 °	38.064076 °
				-121.254656 °	-121.254656 °
DWR ID	23563				

Photo 2 of 3 : UCIP_FA_2021_64078_91890.jpg



LS headwall at toe.

LM Start	7.11	Rating **	M	Issue No.	1140 (cont)
LM End	7.11	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_64078_91891.jpg



LS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	7.31	Rating **	M	Issue No.	1141	
LM End	7.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.064970 °		38.064970 °
				-121.251261 °		-121.251261 °
DWR ID	23564					
Comment Code						
Inspector Comment						
DS_ID:23564 FS_ID:64079 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/24/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI) 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: 2/24/2021						

Photo 1 of 3 : UCIP_FA_2021_64079_91896.jpg



LS view: LS headwall at toe from crown.

LM Start	7.31	Rating **	M	Issue No.	1141 (cont)
LM End	7.31	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_64079_91897.jpg



LS view: LS headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	7.31	Rating **	M	Issue No.	1141 (cont)
LM End	7.31	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.064970 °	38.064970 °	
			-121.251261 °	-121.251261 °	
DWR ID	23564				

Photo 3 of 3 : UCIP_FA_2021_64079_91898.jpg



LS view: LS pipe.

LM Start	7.35	Rating **	M	Issue No.	1142
LM End	7.35	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.065036 °	38.065036 °	
			-121.250691 °	-121.250691 °	
DWR ID	23565				

Comment Code

Inspector Comment

DS_ID:23565
FS_ID:66545
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Pipe Damage
Crossing Status: Found
UCIP Comments: 02/24/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI)
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: 2/24/2021

Photo 1 of 3 : UCIP_FA_2021_66545_91904.jpg



LS headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	7.35	Rating **	M	Issue No.	1142 (cont)
LM End	7.35	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.065036 °	38.065036 °
				-121.250691 °	-121.250691 °
DWR ID	23565				

Photo 2 of 3 : UCIP_FA_2021_66545_91905.jpg



LS headwall at toe.

LM Start	7.35	Rating **	M	Issue No.	1142 (cont)
LM End	7.35	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66545_91906.jpg



LS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	7.36	Rating **	M	Issue No.	1143	
LM End	7.36	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.065066 °		38.065066 °
				-121.250523 °		-121.250523 °
DWR ID	23566					
Comment Code						
Inspector Comment						
DS_ID:23566 FS_ID:66546 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 02/24/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. Small plastic pipe that was previously laying inside drainage pipe is now laying outside adjacent to headwall. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI) 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: 2/24/2021						

Photo 1 of 3 : UCIP_FA_2021_66546_91912.jpg



LS headwall at toe from crown.

LM Start	7.36	Rating **	M	Issue No.	1143 (cont)
LM End	7.36	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66546_91913.jpg



LS headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	7.36	Rating **	M	Issue No.	1143 (cont)
LM End	7.36	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.065066 °	38.065066 °
				-121.250523 °	-121.250523 °
DWR ID	23566				

Photo 3 of 3 : UCIP_FA_2021_66546_91914.jpg



LS pipe.

LM Start	7.43	Rating **	M	Issue No.	202
LM End	7.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.065645 °	38.065645 °
				-121.249382 °	-121.249382 °
DWR ID	DWR_NA0017_07_s_2021_202				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	7.58	Rating **	U	Issue No.	1144	
LM End	7.58	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.066936 °	38.066936 °	
				-121.247140 °	-121.247140 °	
DWR ID	23567					
Comment Code						
Inspector Comment						
DS_ID:23567						
FS_ID:66547						
EP_NO: N/A						
Repair Type: Urgent						
EVAL Issue: Pipe Integrity						
Crossing Status: Found						
UCIP Comments: 02/24/2021 The record has been upgraded from No Action Needed to Urgent. Significant peeling of metal inside LS pipe. DWR DMP has found integrity issues, LOF between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI)						
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: 2/24/2021						

Photo 1 of 3 : UCIP_FA_2021_66547_91921.jpg



LS view: LS headwall at toe from crown.

LM Start	7.58	Rating **	U	Issue No.	1144 (cont)
LM End	7.58	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66547_91922.jpg



LS view: LS headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	7.58	Rating **	U	Issue No.	1144 (cont)
LM End	7.58	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.066936 °	38.066936 °
				-121.247140 °	-121.247140 °
DWR ID	23567				

Photo 3 of 3 : UCIP_FA_2021_66547_91915.jpg



LS view: LS pipe.

LM Start	7.62	Rating **	M	Issue No.	203
LM End	7.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.067196 °	38.067196 °
				-121.246504 °	-121.246504 °
DWR ID	DWR_NA0017_07_s_2021_203				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	7.67	Rating **	C	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

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	7.69	Rating **	C	Issue No.	221
LM End	7.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.067439 °	38.067439 °
				-121.245231 °	-121.245231 °
DWR ID	DWR_NA0017_07_s _ 2020_221				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	7.71	Rating **	M	Issue No.	222
LM End	7.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.067451 °	38.067451 °
				-121.244876 °	-121.244876 °
DWR ID	DWR_NA0017_07_s _ 2020_222				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	7.73	Rating **	M	Issue No.	1146	
LM End	7.73	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.067466 °	38.067466 °	
				-121.244455 °	-121.244455 °	
DWR ID	23568					
Comment Code						
Inspector Comment						
DS_ID:23568 FS_ID:66549 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 02/24/2021 The record has been upgraded from No Action Needed to Non-Urgent. Significant peeling of metal inside LS pipe. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI) 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: 2/24/2021						

LM Start	7.73	Rating **	M	Issue No.	1146 (cont)
LM End	7.73	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66549_91930.jpg



LS view: LS headwall at toe from crown.

Photo 2 of 3 : UCIP_FA_2021_66549_91931.jpg



LS view: LS headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	7.73	Rating **	M	Issue No.	1146 (cont)	
LM End	7.73	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.067466 °		38.067466 °
				-121.244455 °		-121.244455 °
DWR ID	23568					

Photo 3 of 3 : UCIP_FA_2021_66549_91932.jpg



LS view: LS pipe.

LM Start	7.85	Rating **	M	Issue No.	1149
LM End	7.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.067469 °	38.067469 °
				-121.242233 °	-121.242233 °
DWR ID	23569				

Comment Code

Inspector Comment

DS_ID:23569
FS_ID:64087
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 02/24/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI)
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: 2/24/2021

Photo 1 of 3 : UCIP_FA_2021_64087_91942.jpg



LS view: LS headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	7.85	Rating **	M	Issue No.	1149 (cont)
LM End	7.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.067469 °	38.067469 °
				-121.242233 °	-121.242233 °
DWR ID	23569				

Photo 2 of 3 : UCIP_FA_2021_64087_91943.jpg



LS view: LS headwall at toe.

LM Start	7.85	Rating **	M	Issue No.	1149 (cont)
LM End	7.85	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_64087_91945.jpg



LS view: LS 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	7.86	Rating **	M	Issue No.	1150	
LM End	7.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.067469 °	38.067469 °	
				-121.242214 °	-121.242214 °	
DWR ID	23682					
Comment Code						
Inspector Comment						
DS_ID:23682 FS_ID:64088 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/24/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI) 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: 2/24/2021						

LM Start	7.86	Rating **	M	Issue No.	1150 (cont)
LM End	7.86	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_64088_91952.jpg



LS headwall at toe from crown.

Photo 2 of 3 : UCIP_FA_2021_64088_91953.jpg



LS headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	7.86	Rating **	M	Issue No.	1150 (cont)	
LM End	7.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.067469 °	38.067469 °	
				-121.242214 °	-121.242214 °	
DWR ID	23682					

Photo 3 of 3 : UCIP_FA_2021_64088_91955.jpg



LS pipe.

LM Start	8.07	Rating **	M	Issue No.	1151
LM End	8.07	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.067486 °	38.067486 °
				-121.238309 °	-121.238309 °
DWR ID	23570				

Comment Code

Inspector Comment

DS_ID:23570
FS_ID:66552
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Pipe Damage
Crossing Status: Found
UCIP Comments: 02/24/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI)
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: 2/24/2021

Photo 1 of 3 : UCIP_FA_2021_66552_91962.jpg



LS headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	8.07	Rating **	M	Issue No.	1151 (cont)
LM End	8.07	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.067486 °	38.067486 °
				-121.238309 °	-121.238309 °
DWR ID	23570				

Photo 2 of 3 : UCIP_FA_2021_66552_91963.jpg



LS headwall at toe.

LM Start	8.07	Rating **	M	Issue No.	1151 (cont)
LM End	8.07	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66552_91964.jpg



LS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	8.34	Rating **	U	Issue No.	1155	
LM End	8.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.067959 °	38.067959 °	
				-121.233443 °	-121.233443 °	
DWR ID	23572					
Comment Code						
Inspector Comment						
DS_ID:23572 FS_ID:66876 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 02/24/2021 The record has been upgraded from Non-Urgent to Urgent. Significant peeling of metal and gap inside of LS pipe. DWR DMP has found integrity issues, LOF between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI) 05/14/2014 A gap at the joint between pipe sections was noted inside pipe at LS toe. This may indicate a need for further maintenance. (W. Wylie -DWR UCIP) 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: 2/24/2021						

LM Start	8.34	Rating **	U	Issue No.	1155 (cont)
LM End	8.34	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66876_91987.jpg



LS view: LS headwall at toe from crown.

Photo 2 of 3 : UCIP_FA_2021_66876_91988.jpg



LS view: LS headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	8.34	Rating **	U	Issue No.	1155 (cont)
LM End	8.34	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.067959 °	38.067959 °
				-121.233443 °	-121.233443 °
DWR ID	23572				

Photo 3 of 3 : UCIP_FA_2021_66876_91989.jpg



LS view: LS pipe.

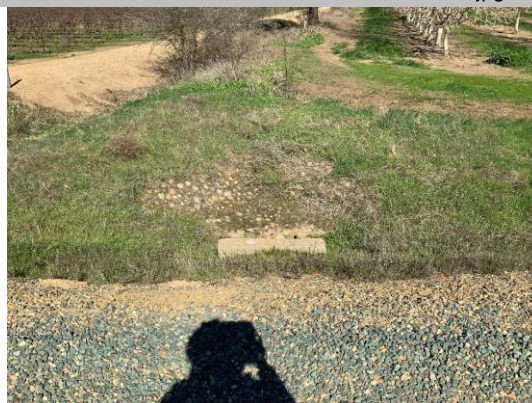
LM Start	8.34	Rating **	M	Issue No.	1156
LM End	8.34	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.067971 °	38.067971 °
				-121.233350 °	-121.233350 °
DWR ID	23573				

Comment Code

Inspector Comment

DS_ID:23573
FS_ID:66558
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Pipe Damage
Crossing Status: Found
UCIP Comments: 02/24/2021 Pipe status is still Non-Urgent. Significant peeling of metal inside LS pipe in multiple spots. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI)
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: 2/24/2021

Photo 1 of 3 : UCIP_FA_2021_66558_91996.jpg



LS view: LS headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	8.34	Rating **	M	Issue No.	1156 (cont)
LM End	8.34	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.067971 °	38.067971 °
				-121.233350 °	-121.233350 °
DWR ID	23573				

Photo 2 of 3 : UCIP_FA_2021_66558_91997.jpg



LS view: LS headwall at toe.

LM Start	8.34	Rating **	M	Issue No.	1156 (cont)
LM End	8.34	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66558_91998.jpg



LS view: LS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	8.54	Rating **	M	Issue No.	1157	
LM End	8.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.068838 °	38.068838 °	
				-121.229996 °	-121.229996 °	
DWR ID	23574					
Comment Code						
Inspector Comment						
DS_ID:23574 FS_ID:66559 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 02/24/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI) 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: 2/24/2021						

Photo 1 of 3 : UCIP_FA_2021_66559_92004.jpg



WS view: WS headwall at toe.

LM Start	8.54	Rating **	M	Issue No.	1157 (cont)
LM End	8.54	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66559_92005.jpg



WS view: WS headwall and flapgate at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	8.54	Rating **	M	Issue No.	1157 (cont)
LM End	8.54	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.068838 °	38.068838 °	
			-121.229996 °	-121.229996 °	
DWR ID	23574				

Photo 3 of 3 : UCIP_FA_2021_66559_92006.jpg



WS view: WS flapgate.

LM Start	8.73	Rating **	M	Issue No.	1158
LM End	8.73	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.070171 °	38.070171 °	
			-121.226915 °	-121.226915 °	
DWR ID	23576				

Comment Code

Inspector Comment

DS_ID:23576
 FS_ID:66560
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Pipe Damage
 Crossing Status: Found
 UCIP Comments: 02/24/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Minor flaking off of concrete on the inside edge of LS headwall. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI)
 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: 2/24/2021

Photo 1 of 3 : UCIP_FA_2021_66560_92009.jpg



WS view: WS headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	8.73	Rating **	M	Issue No.	1158 (cont)
LM End	8.73	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.070171 °	38.070171 °
				-121.226915 °	-121.226915 °
DWR ID	23576				

Photo 2 of 3 : UCIP_FA_2021_66560_92010.jpg



WS view: WS headwall and flapgate at toe.

LM Start	8.73	Rating **	M	Issue No.	1158 (cont)
LM End	8.73	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66560_92012.jpg



WS view: WS flapgate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	8.96	Rating **	M	Issue No.	1161	
LM End	8.96	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.070330 °	38.070330 °	
				-121.222680 °	-121.222680 °	
DWR ID	23578					
Comment Code						
Inspector Comment						
DS_ID:23578 FS_ID:64117 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/24/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI) 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: 2/24/2021						

LM Start	8.96	Rating **	M	Issue No.	1161 (cont)
LM End	8.96	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_64117_92030.jpg



LS view: LS headwall at toe from crown.

Photo 2 of 3 : UCIP_FA_2021_64117_92029.jpg



LS view: LS headwall at 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	8.96	Rating **	M	Issue No.	1161 (cont)
LM End	8.96	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.070330 °	38.070330 °	
			-121.222680 °	-121.222680 °	
DWR ID	23578				

Photo 3 of 3 : UCIP_FA_2021_64117_92028.jpg



LS view: LS pipe.

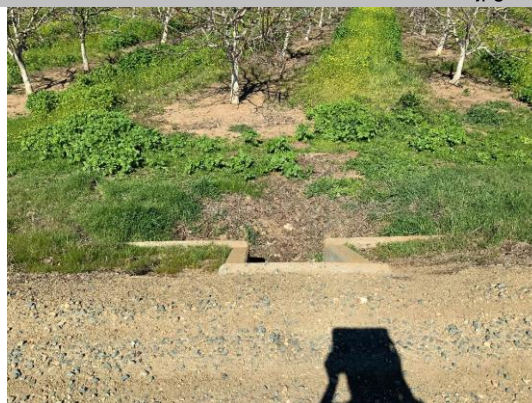
LM Start	9.11	Rating **	M	Issue No.	1163
LM End	9.11	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.070367 °	38.070367 °	
			-121.219932 °	-121.219932 °	
DWR ID	23580				

Comment Code

Inspector Comment

DS_ID:23580
 FS_ID:66564
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Pipe Damage
 Crossing Status: Found
 UCIP Comments: 02/24/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI)
 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: 2/24/2021

Photo 1 of 3 : UCIP_FA_2021_66564_92040.jpg



LS headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	9.11	Rating **	M	Issue No.	1163 (cont)
LM End	9.11	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.070367 °	38.070367 °
				-121.219932 °	-121.219932 °
DWR ID	23580				

Photo 2 of 3 : UCIP_FA_2021_66564_92041.jpg



LS headwall at toe.

LM Start	9.11	Rating **	M	Issue No.	1163 (cont)
LM End	9.11	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66564_92042.jpg



LS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	9.45	Rating **	M	Issue No.	1166	
LM End	9.45	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.073368 °	38.073368 °	
				-121.215349 °	-121.215349 °	
DWR ID	23582					
Comment Code						
Inspector Comment						
DS_ID:23582 FS_ID:66568 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 02/24/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI) 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: 2/24/2021						

LM Start	9.45	Rating **	M	Issue No.	1166 (cont)
LM End	9.45	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66568_92058.jpg



LS view: LS headwall at toe from crown.

Photo 2 of 3 : UCIP_FA_2021_66568_92059.jpg



LS view: LS headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	9.45	Rating **	M	Issue No.	1166 (cont)
LM End	9.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.073368 °	38.073368 °
				-121.215349 °	-121.215349 °
DWR ID	23582				

Photo 3 of 3 : UCIP_FA_2021_66568_92060.jpg



LS view: LS pipe.

LM Start	9.63	Rating **	M	Issue No.	1167
LM End	9.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.074113 °	38.074113 °
				-121.212224 °	-121.212224 °
DWR ID	23583				

Comment Code

Inspector Comment

DS_ID:23583

FS_ID:66569

EP_NO: N/A

Repair Type: Non-Urgent

EVAL Issue: Pipe Damage

Crossing Status: Found

UCIP Comments: 02/24/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI)

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: 2/24/2021

Photo 1 of 3 : UCIP_FA_2021_66569_92065.jpg



LS view: LS headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	9.63	Rating **	M	Issue No.	1167 (cont)
LM End	9.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.074113 °	38.074113 °
				-121.212224 °	-121.212224 °
DWR ID	23583				

Photo 2 of 3 : UCIP_FA_2021_66569_92066.jpg



LS view: LS headwall at toe.

LM Start	9.63	Rating **	M	Issue No.	1167 (cont)
LM End	9.63	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66569_92067.jpg



LS view: LS 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	9.65	Rating **	M	Issue No.	1168	
LM End	9.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.074201 °	38.074201 °	
				-121.211920 °	-121.211920 °	
DWR ID	23584					
Comment Code						
Inspector Comment						
DS_ID:23584 FS_ID:66571 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 02/24/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI) 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: 2/24/2021						

LM Start	9.65	Rating **	M	Issue No.	1168 (cont)
LM End	9.65	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66571_92077.jpg



WS view: WS headwall at toe from crown.

Photo 2 of 3 : UCIP_FA_2021_66571_92078.jpg



WS view: WS headwall and flapgate at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	9.65	Rating **	M	Issue No.	1168 (cont)
LM End	9.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.074201 °	38.074201 °
				-121.211920 °	-121.211920 °
DWR ID	23584				

Photo 3 of 3 : UCIP_FA_2021_66571_92079.jpg



WS view: WS flapgate.

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	9.78	Rating **	C	Issue No.	209
LM End	9.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.074690 °	38.074690 °
				-121.209579 °	-121.209579 °
DWR ID	DWR_NA0017_07_s_2021_209				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	9.84	Rating **	M	Issue No.	255
LM End	9.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.075327 °	38.075490 °	
			-121.208941 °	-121.208899 °	
DWR ID	DWR_NA0017_07_f_2021_255				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	9.85	Rating **	C	Issue No.	210
LM End	9.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.075483 °	38.075483 °	
			-121.208892 °	-121.208892 °	
DWR ID	DWR_NA0017_07_s_2021_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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	9.98	Rating **	M	Issue No.	1170	
LM End	9.98	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.077230 °	38.077230 °	
				-121.208208 °	-121.208208 °	
DWR ID	23585					
Comment Code						
Inspector Comment						
DS_ID:23585 FS_ID:64127 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/24/2021 Pipe status is still Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI) 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: 2/24/2021						

Photo 1 of 3 : UCIP_FA_2021_64127_92096.jpg



LS view: LS headwall at toe from crown.

LM Start	9.98	Rating **	M	Issue No.	1170 (cont)
LM End	9.98	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_64127_92097.jpg



LS view: LS headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	9.98	Rating **	M	Issue No.	1170 (cont)
LM End	9.98	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.077230 °	38.077230 °	
			-121.208208 °	-121.208208 °	
DWR ID	23585				

Photo 3 of 3 : UCIP_FA_2021_64127_92098.jpg



LS view: LS headwall at toe.

LM Start	10.15	Rating **	M	Issue No.	1172
LM End	10.15	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.078814 °	38.078814 °	
			-121.205762 °	-121.205762 °	
DWR ID	23586				

Comment Code

Inspector Comment

DS_ID:23586
FS_ID:66650
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 02/24/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with GEI staff, B. Singh. (H. Dunn – GEI)
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: 2/24/2021

Photo 1 of 3 : UCIP_FA_2021_66650_92108.jpg



LS view: LS headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	10.15	Rating **	M	Issue No.	1172 (cont)
LM End	10.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.078814 °	38.078814 °
				-121.205762 °	-121.205762 °
DWR ID	23586				

Photo 2 of 3 : UCIP_FA_2021_66650_92109.jpg



LS view: LS headwall at toe.

LM Start	10.15	Rating **	M	Issue No.	1172 (cont)
LM End	10.15	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66650_92110.jpg



LS view: LS headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	10.43	Rating **	M	Issue No.	1173	
LM End	10.43	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.080050 °	38.080050 °	
				-121.201087 °	-121.201087 °	
DWR ID	23646					
Comment Code						
Inspector Comment						
DS_ID:23646 FS_ID:64132 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/25/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. WS flapgate partially covered by vegetation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, M. Mccoy. (H. Dunn – GEI) 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: 2/25/2021						

Photo 1 of 3 : UCIP_FA_2021_64132_92115.jpg



LS view: LS headwall at toe from crown.

LM Start	10.43	Rating **	M	Issue No.	1173 (cont)
LM End	10.43	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_64132_92116.jpg



LS view: LS headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	10.43	Rating **	M	Issue No.	1173 (cont)
LM End	10.43	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.080050 °	38.080050 °	
			-121.201087 °	-121.201087 °	
DWR ID	23646				

Photo 3 of 3 : UCIP_FA_2021_64132_92117.jpg



LS view: LS pipe.

LM Start	10.65	Rating **	M	Issue No.	1175
LM End	10.65	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.082589 °	38.082589 °	
			-121.198521 °	-121.198521 °	
DWR ID	23587				

Comment Code

Inspector Comment

DS_ID:23587
 FS_ID:66652
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 02/25/2021 Pipe status is still Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, M. McCoy. (H. Dunn – GEI) 05/14/2014 Silt buildup in pipe at LS toe. (W. Wylie - DWR UCIP)
 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: 2/25/2021

Photo 1 of 3 : UCIP_FA_2021_66652_92127.jpg



LS view: LS headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	10.65	Rating **	M	Issue No.	1175 (cont)
LM End	10.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.082589 °	38.082589 °
				-121.198521 °	-121.198521 °
DWR ID	23587				

Photo 2 of 3 : UCIP_FA_2021_66652_92128.jpg



LS view: LS headwall at toe.

LM Start	10.65	Rating **	M	Issue No.	1175 (cont)
LM End	10.65	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66652_92129.jpg



LS view: LS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	10.81	Rating **	M	Issue No.	1176
LM End	10.81	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.084165 °	38.084165 °
				-121.196427 °	-121.196427 °
DWR ID	23588				
Comment Code					
Inspector Comment					
DS_ID:23588 FS_ID:64134 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/25/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, M. Mccoy. (H. Dunn – GEI) 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: 2/25/2021					

LM Start	10.81	Rating **	M	Issue No.	1176 (cont)
LM End	10.81	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_64134_92134.jpg



LS headwall at toe from crown.

Photo 2 of 3 : UCIP_FA_2021_64134_92135.jpg



LS headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	10.81	Rating **	M	Issue No.	1176 (cont)
LM End	10.81	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.084165 °	38.084165 °
				-121.196427 °	-121.196427 °
DWR ID	23588				

Photo 3 of 3 : UCIP_FA_2021_64134_92136.jpg



LS pipe, minor vegetation inside pipe.

LM Start	11.06	Rating **	C	Issue No.	177
LM End	11.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.086323 °	38.086517 °
				-121.192947 °	-121.191732 °
DWR ID	DWR_NA0017_07_f_2020_177				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Tire ruts are on the landside slope have been repaired..					

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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	11.27	Rating **	M	Issue No.	1180	
LM End	11.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.087249 °	38.087249 °	
				-121.189337 °	-121.189337 °	
DWR ID	23590					
Comment Code						
Inspector Comment						
DS_ID:23590 FS_ID:64138 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/25/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, M. Mccoy. (H. Dunn – GEI) 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: 2/25/2021						

LM Start	11.27	Rating **	M	Issue No.	1180 (cont)
LM End	11.27	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_64138_92218.jpg



LS view: LS headwall at toe from crown.

Photo 2 of 3 : UCIP_FA_2021_64138_92219.jpg



LS view: LS headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	11.27	Rating **	M	Issue No.	1180 (cont)
LM End	11.27	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.087249 °	38.087249 °
				-121.189337 °	-121.189337 °
DWR ID	23590				

Photo 3 of 3 : UCIP_FA_2021_64138_92220.jpg



LS view: LS pipe.

LM Start	11.79	Rating **	M	Issue No.	1184
LM End	11.79	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.092076 °	38.092076 °
				-121.183118 °	-121.183118 °
DWR ID	23593				

Comment Code

Inspector Comment

DS_ID:23593
FS_ID:66882
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 02/25/2021 Pipe status is still Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, M. McCoy. (H. Dunn – GEI) 05/14/2014 Some rocky debris buildup inside pipe on LS toe. (W. Wylie - DWR UCIP)
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: 2/25/2021

Photo 1 of 3 : UCIP_FA_2021_66882_92239.jpg



WS headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	11.79	Rating **	M	Issue No.	1184 (cont)
LM End	11.79	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.092076 °	38.092076 °	
			-121.183118 °	-121.183118 °	
DWR ID	23593				

Photo 2 of 3 : UCIP_FA_2021_66882_92240.jpg



WS headwall and flapgate at toe.

LM Start	11.79	Rating **	M	Issue No.	1184 (cont)
LM End	11.79	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66882_92241.jpg



WS flapgate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	11.88	Rating **	M	Issue No.	1185	
LM End	11.88	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.092270 °	38.092270 °	
				-121.181332 °	-121.181332 °	
DWR ID	23594					
Comment Code						
Inspector Comment						
DS_ID:23594 FS_ID:66808 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/25/2021 The record has been upgraded from No Action Needed to Non-Urgent. In August 2018, under the DWR DMP efforts the internal inspection found integrity issues, LOF between 5 and 6. According to Mr. Eric Ambriz, with San Joaquin County, Caltrans completed the slip Snap-Tite lining effort in October 2018. There is currently no post install inspection of the Snap-Tite lining. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, M. McCoy. (H. Dunn – GEI) 10/10/2018 20-inch Snap-Tite lining pipes were sleeved through the damaged 24-inch CMP culvert. Annular space was pressure grouted. (A. McDonald - DWR UCIP) 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: 2/25/2021						

Photo 1 of 3 : UCIP_FA_2021_66808_92247.jpg



WS view: WS headwall at toe from crown.

LM Start	11.88	Rating **	M	Issue No.	1185 (cont)
LM End	11.88	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66808_92248.jpg



WS view: WS headwall and flapgate at 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	11.88	Rating **	M	Issue No.	1185 (cont)
LM End	11.88	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.092270 °	38.092270 °	
			-121.181332 °	-121.181332 °	
DWR ID	23594				

Photo 3 of 3 : UCIP_FA_2021_66808_92249.jpg



WS view: WS flapgate.

LM Start	11.90	Rating **	M	Issue No.	1186
LM End	11.90	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.092293 °	38.092293 °	
			-121.181078 °	-121.181078 °	
DWR ID	23505				

Comment Code

Inspector Comment

DS_ID:23505
 FS_ID:64144
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 02/25/2021 The record has been upgraded from No Action Needed to Non-Urgent. Edges of LS pipe are warped. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, M. McCoy. (H. Dunn – GEI)
 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: 2/25/2021

Photo 1 of 3 : UCIP_FA_2021_64144_92256.jpg



WS view: WS headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	11.90	Rating **	M	Issue No.	1186 (cont)
LM End	11.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.092293 °	38.092293 °
				-121.181078 °	-121.181078 °
DWR ID	23505				

Photo 2 of 3 : UCIP_FA_2021_64144_92257.jpg



WS view: WS headwall and flapgate at toe.

LM Start	11.90	Rating **	M	Issue No.	1186 (cont)
LM End	11.90	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_64144_92258.jpg



WS view: WS flapgate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	12.12	Rating **	M	Issue No.	1188	
LM End	12.12	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.093170 °	38.093170 °	
				-121.177313 °	-121.177313 °	
DWR ID	23507					
Comment Code						
Inspector Comment						
DS_ID:23507 FS_ID:64146 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/25/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, M. McCoy. (H. Dunn – GEI) 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: 2/25/2021						

LM Start	12.12	Rating **	M	Issue No.	1188 (cont)
LM End	12.12	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_64146_92274.jpg



LS view: LS headwall at toe from crown.

Photo 2 of 3 : UCIP_FA_2021_64146_92276.jpg



LS view: LS headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	12.12	Rating **	M	Issue No.	1188 (cont)
LM End	12.12	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.093170 °	38.093170 °
				-121.177313 °	-121.177313 °
DWR ID	23507				

Photo 3 of 3 : UCIP_FA_2021_64146_92275.jpg



LS view: LS headwall at toe.

LM Start	12.19	Rating **	M	Issue No.	1189
LM End	12.19	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094163 °	38.094163 °
				-121.176824 °	-121.176824 °
DWR ID	23508				

Comment Code

Inspector Comment

DS_ID:23508
 FS_ID:66809
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Pipe Damage
 Crossing Status: Found
 UCIP Comments: 02/25/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Recommend maintenance to clear up sediment buildup through LS pipe. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, M. McCoy. (H. Dunn – GEI)
 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: 2/25/2021

Photo 1 of 3 : UCIP_FA_2021_66809_92282.jpg



LS view: LS headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	12.19	Rating **	M	Issue No.	1189 (cont)
LM End	12.19	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094163 °	38.094163 °
				-121.176824 °	-121.176824 °
DWR ID	23508				

Photo 2 of 3 : UCIP_FA_2021_66809_68555.jpg



Pipe and headwall at LS toe.

LM Start	12.19	Rating **	M	Issue No.	1189 (cont)
LM End	12.19	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66809_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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	12.21	Rating **	M	Issue No.	1190
LM End	12.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094456 °	38.094456 °
				-121.176806 °	-121.176806 °
DWR ID	23509				
Comment Code					
Inspector Comment					
DS_ID:23509 FS_ID:66810 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/25/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, M. Mccoy. (H. Dunn – GEI) 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: 2/25/2021					

LM Start	12.21	Rating **	M	Issue No.	1190 (cont)
LM End	12.21	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66810_92291.jpg



LS view: LS headwall at toe from crown.

Photo 2 of 3 : UCIP_FA_2021_66810_95682.jpg



LS view: Headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	12.21	Rating **	M	Issue No.	1190 (cont)
LM End	12.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094456 °	38.094456 °
				-121.176806 °	-121.176806 °
DWR ID	23509				

Photo 3 of 3 : UCIP_FA_2021_66810_95683.jpg



LS view: Pipe inlet, 1 of 2 photos.

LM Start	12.28	Rating **	C	Issue No.	217
LM End	12.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.095510 °	38.095510 °
				-121.176698 °	-121.176698 °
DWR ID	DWR_NA0017_07_s_2021_217				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	12.31	Rating **	C	Issue No.	218
LM End	12.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.095910 °	38.095910 °
				-121.176655 °	-121.176655 °
DWR ID	DWR_NA0017_07_s_2021_218				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	12.67	Rating **	M	Issue No.	219
LM End	12.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.100806 °	38.100806 °
				-121.177500 °	-121.177500 °
DWR ID	DWR_NA0017_07_s_2021_219				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	12.74	Rating **	M	Issue No.	1195	
LM End	12.74	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.101797 °	38.101797 °	
				-121.177750 °	-121.177750 °	
DWR ID	23512					
Comment Code						
Inspector Comment						
DS_ID:23512						
FS_ID:64186						
EP_NO: N/A						
Repair Type: Non-Urgent						
EVAL Issue: Unauthorized Encroachment, installed decades prior						
Crossing Status: Found						
UCIP Comments: 02/25/2021 The record has been upgraded from No						
Action Needed to Non-Urgent. DWR DMP has not found internal						
issues, LOF between 1 and 2. Recommend inspection in 5 years. No						
permit was found authorizing this encroachment. CVFPB will need to						
review crossing to determine owner. The UCIP inspection was						
completed with LMA representative, M. Mccoy. (H. Dunn – GEI)						
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: 2/25/2021						

Photo 1 of 3 : UCIP_FA_2021_64186_92340.jpg



LS view: LS headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	12.74	Rating **	M	Issue No.	1195 (cont)
LM End	12.74	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.101797 °	38.101797 °
				-121.177750 °	-121.177750 °
DWR ID	23512				

Photo 2 of 3 : UCIP_FA_2021_64186_92341.jpg



LS view: LS headwall at toe.

LM Start	12.74	Rating **	M	Issue No.	1195 (cont)
LM End	12.74	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_64186_92342.jpg



LS view: LS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	13.09	Rating **	M	Issue No.	1201	
LM End	13.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.106393 °	38.106393 °	
				-121.175587 °	-121.175587 °	
DWR ID	23597					
Comment Code						
Inspector Comment						
DS_ID:23597 FS_ID:64192 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/25/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, M. Mccoy. (H. Dunn – GEI) 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: 2/25/2021						

Photo 1 of 3 : UCIP_FA_2021_64192_92446.jpg



LS view: LS headwall at toe from crown.

LM Start	13.09	Rating **	M	Issue No.	1201 (cont)
LM End	13.09	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_64192_92447.jpg



LS view: LS headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	13.09	Rating **	M	Issue No.	1201 (cont)
LM End	13.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.106393 °	38.106393 °
				-121.175587 °	-121.175587 °
DWR ID	23597				

Photo 3 of 3 : UCIP_FA_2021_64192_92448.jpg



LS view: LS pipe.

LM Start	13.48	Rating **	M	Issue No.	1202
LM End	13.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111310 °	38.111310 °
				-121.172760 °	-121.172760 °
DWR ID	23598				

Comment Code

Inspector Comment

DS_ID:23598
FS_ID:64193
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 02/26/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Caruso. (H. Dunn – GEI)
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: 2/26/2021

Photo 1 of 3 : UCIP_FA_2021_64193_92704.jpg



LS headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	13.48	Rating **	M	Issue No.	1202 (cont)
LM End	13.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111310 °	38.111310 °
				-121.172760 °	-121.172760 °
DWR ID	23598				

Photo 2 of 3 : UCIP_FA_2021_64193_92705.jpg



LS headwall at toe.

LM Start	13.48	Rating **	M	Issue No.	1202 (cont)
LM End	13.48	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_64193_92706.jpg



LS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	13.82	Rating **	M	Issue No.	1205
LM End	13.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.116150 °	38.116150 °
				-121.172220 °	-121.172220 °
DWR ID	23600				
Comment Code					
Inspector Comment					
DS_ID:23600 FS_ID:64196 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/26/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Caruso. (H. Dunn – GEI) 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: 2/26/2021					

LM Start	13.82	Rating **	M	Issue No.	1205 (cont)
LM End	13.82	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_64196_92726.jpg



LS view: LS headwall at toe from crown.

Photo 2 of 3 : UCIP_FA_2021_64196_92727.jpg



LS view: LS headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	13.82	Rating **	M	Issue No.	1205 (cont)
LM End	13.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.116150 °	38.116150 °
				-121.172220 °	-121.172220 °
DWR ID	23600				

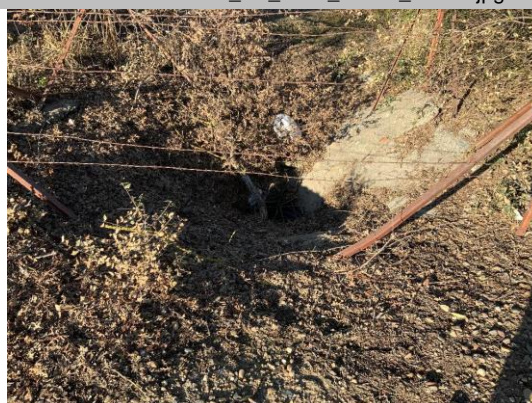
Photo 3 of 3 : UCIP_FA_2021_64196_92728.jpg



LS view: LS pipe.

LM Start	13.84	Rating **	M	Issue No.	1207
LM End	13.84	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.116423 °	38.116423 °
				-121.172178 °	-121.172178 °
DWR ID	23601				

Photo 1 of 3 : UCIP_FA_2021_66821_92737.jpg



LS view: LS toe inlet, surrounded by barbed wire.

Comment Code					
Inspector Comment					
DS_ID:23601 FS_ID:66821 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 02/26/2021 Record record has been updated from No Action Needed to Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Caruso. (H. Dunn GEI) 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: 2/26/2021					

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	13.84	Rating **	M	Issue No.	1207 (cont)
LM End	13.84	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.116423 °	38.116423 °
				-121.172178 °	-121.172178 °
DWR ID	23601				

Photo 2 of 3 : UCIP_FA_2021_66821_92738.jpg



LS view: LS toe pipe and inlet.

LM Start	13.84	Rating **	M	Issue No.	1207 (cont)
LM End	13.84	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66821_92733.jpg



Levee crown 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	13.87	Rating **	U	Issue No.	1208
LM End	13.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.116869 °	38.116869 °
				-121.172078 °	-121.172078 °
DWR ID	23602				
Comment Code					
Inspector Comment					
DS_ID:23602 FS_ID:66822 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 02/26/2021 Record has been updated from No Action Needed to Urgent. DWR DMP has found integrity issues, LOF between 5 and 6. Recommend monitoring crossing until funding becomes available to address. LS spillway is slightly overgrown with vegetation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. LS flap gate is broken and needs repair. The UCIP inspection was completed with LMA representative, J. Caruso. (H. Dunn – GEI) 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: 2/26/2021					

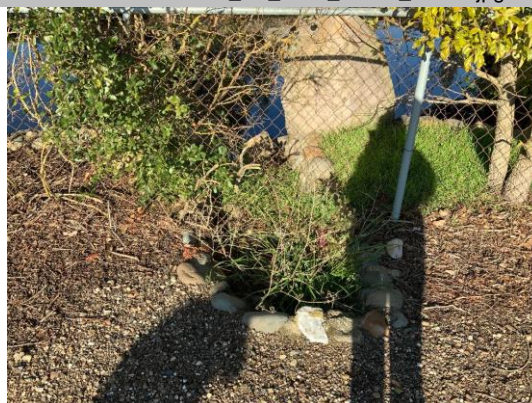
LM Start	13.87	Rating **	U	Issue No.	1208 (cont)
LM End	13.87	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66822_92758.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2021_66822_92759.jpg



LS view: LS inlet at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	13.87	Rating **	U	Issue No.	1208 (cont)
LM End	13.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.116869 °	38.116869 °
				-121.172078 °	-121.172078 °
DWR ID	23602				

Photo 3 of 3 : UCIP_FA_2021_66822_92760.jpg



LS view: LS pipe at toe.

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					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion on the waterside is caused by 2 pipe outlets.					

Photo 1 of 1 : FA_2021_NA0017_151_179_20210913_00031.jpg



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

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

** Rating
A : Acceptable N : Not Inspected/Rated
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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	14.02	Rating **	A/W	Issue No.	259
LM End	14.04	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.119080 °	38.119080 °
				-121.171212 °	-121.171212 °
DWR ID	NA0017U07RM21.31				

Comment Code

Inspector Comment

Site ID: NA0017U07RM21.31

*This area is patrol road only and therefore the site is not rated
06/22/2021: An additional, 8-ft long erosion pocket was discovered just upstream that extends to the upper slope and is filled with loose plant material. Otherwise, no significant changes were observed during the annual survey.

07/31/2020: Two erosion pockets, approximately 20 ft and 15 ft long and 5 ft high, were discovered on the toe. The erosion is covered by medium to dense vegetation.

LM Start	14.02	Rating **	A/W	Issue No.	259 (cont)
LM End	14.04	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021_NA0017U07RM21.31_3.JPG



6/22/2021: View of the erosion from the opposite bank.

Photo 2 of 2 : SJR2021_NA0017U07RM21.31_4.JPG



6/22/2021: View of the upstream erosion pocket covered with loose material.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	14.25	Rating **	C	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

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

LM Start	14.44	Rating **	C	Issue No.	228
LM End	14.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.124551 °	38.124728 °	
			-121.169109 °	-121.168936 °	
DWR ID	DWR_NA0017_07_s_2021_228				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	14.45	Rating **	M	Issue No.	1209	
LM End	14.45	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.124667 °	38.124667 °	
				-121.169038 °	-121.169038 °	
DWR ID	23604					
Comment Code						
Inspector Comment						
DS_ID:23604 FS_ID:66826 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 02/26/2021 Record remains Non-Urgent. Unit 7 – Bear Creek (CLM 13.95 to 14.90) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 13.95 to 14.90 of Unit 7 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP has found integrity issues, LOF between 4 and 5. Current condition of pipe crossing does not impede access to patrol road/high ground area. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner.. The UCIP inspection was completed with LMA representative, J. Caruso. (H. Dunn – GEI) 05/12/2014 No flapgate. (W. Wylie - DWR UCIP) 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: 2/26/2021						

LM Start	14.45	Rating **	M	Issue No.	1209 (cont)
LM End	14.45	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66826_92790.jpg



LS view: LS headwall off of the toe.

Photo 2 of 3 : UCIP_FA_2021_66826_92791.jpg



LS view: LS headwall, gate adjar, no flapgate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	14.45	Rating **	M	Issue No.	1209 (cont)
LM End	14.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.124667 °	38.124667 °
				-121.169038 °	-121.169038 °
DWR ID	23604				

Photo 3 of 3 : UCIP_FA_2021_66826_92792.jpg



LS view: LS pipe.

LM Start	14.54	Rating **	M	Issue No.	1211
LM End	14.54	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.125671 °	38.125671 °
				-121.167975 °	-121.167975 °
DWR ID	23605				

Photo 1 of 3 : UCIP_FA_2021_66828_92809.jpg



LS toe from crown, pipe not visible.

Comment Code					
Inspector Comment					
<p>DS_ID:23605 FS_ID:66828 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/26/2021 Record remains Non-Urgent. Unit 7 – Bear Creek (CLM 13.95 to 14.90) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 13.95 to 14.90 of Unit 7 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP has found integrity issues, LOF between 5 and 6. Crossing will be monitored until funding becomes available to address. Current condition of pipe crossing does not impede access to patrol road/high ground area. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Caruso. (H. Dunn – GEI)</p> <p>05/12/2014 No flapgate. Pipe not visible on LS. (W. Wylie - DWR UCIP) 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: 2/26/2021</p>					

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	14.54	Rating **	M	Issue No.	1211 (cont)
LM End	14.54	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.125671 °	38.125671 °
				-121.167975 °	-121.167975 °
DWR ID	23605				

Photo 2 of 3 : UCIP_FA_2021_66828_92805.jpg



Levee crown looking upstream.

LM Start	14.54	Rating **	M	Issue No.	1211 (cont)
LM End	14.54	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66828_92806.jpg



WS view: WS pipe at toe from crown.

LM Start	14.92	Rating **	M	Issue No.	230
LM End	14.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.127905 °	38.127905 °
				-121.161558 °	-121.161558 °
DWR ID	DWR_NA0017_07_s_2021_230				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	14.93	Rating **	M	Issue No.	1213	
LM End	14.93	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.127941 °	38.127941 °	
				-121.161531 °	-121.161531 °	
DWR ID	23607					
Comment Code						
Inspector Comment						
DS_ID:23607 FS_ID:64208 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/26/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Caruso. (H. Dunn – GEI) 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: 2/26/2021						

LM Start	14.93	Rating **	M	Issue No.	1213 (cont)
LM End	14.93	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_64208_92824.jpg



LS view: LS headwall at toe from crown.

Photo 2 of 3 : UCIP_FA_2021_64208_92825.jpg



LS view: LS headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	14.93	Rating **	M	Issue No.	1213 (cont)
LM End	14.93	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.127941 °	38.127941 °
				-121.161531 °	-121.161531 °
DWR ID	23607				

Photo 3 of 3 : UCIP_FA_2021_64208_92826.jpg



LS view: LS pipe, vegetation debris covering pipe.

LM Start	15.07	Rating **	A/W	Issue No.	2
LM End	15.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.129523 °	38.129523 °
				-121.159800 °	-121.159800 °
DWR ID	NA0017U07RM22.33				

Comment Code

Inspector Comment

Site ID: NA0017U07RM22.33

*This area is patrol road only and therefore the site is not rated
06/22/2021: The site was discovered during the field survey. The erosion is immediately downstream of a bend. There is visible undercutting and caving approximately 5 ft below the crown with a scarp height of 3 ft.

LM Start	15.07	Rating **	A/W	Issue No.	2 (cont)
LM End	15.08	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021_NA0017U07RM22.33_2.JPG



6/22/2021: View of the erosion looking downstream.

Photo 2 of 2 : SJR2021_NA0017U07RM22.33_4.JPG



6/22/2021: View of the erosion 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	15.08	Rating **	C	Issue No.	204
LM End	15.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.129587 °	38.129587 °
				-121.159744 °	-121.159744 °
DWR ID	DWR_NA0017_07_f_2020_204				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	15.10	Rating **	M	Issue No.	1219
LM End	15.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.129803 °	38.129803 °
				-121.159474 °	-121.159474 °
DWR ID	23609				
Comment Code					
Inspector Comment					
DS_ID:23609 FS_ID:66835 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/26/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Caruso. (H. Dunn – GEI) 05/12/2014 Rodent hole on crown side of headwall on WS slope. (W. Wylie - DWR UCIP) 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: 2/26/2021					

Photo 1 of 3 : UCIP_FA_2021_66835_92893.jpg



WS view: WS headwall at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	15.10	Rating **	M	Issue No.	1219 (cont)
LM End	15.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.129803 °	38.129803 °
				-121.159474 °	-121.159474 °
DWR ID	23609				

Photo 2 of 3 : UCIP_FA_2021_66835_92894.jpg



WS view: WS headwall and flapgate at toe.

LM Start	15.10	Rating **	M	Issue No.	1219 (cont)
LM End	15.10	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66835_92895.jpg



WS view: WS flapgate.

LM Start	15.11	Rating **	C	Issue No.	232
LM End	15.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.129942 °	38.129942 °
				-121.159196 °	-121.159196 °
DWR ID	DWR_NA0017_07_s_2021_232				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	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_2021_NA0017_151_53_20210913_00011.jpg



View of a stump in the landward slope.

LM Start	15.22	Rating **	M	Issue No.	1220
LM End	15.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.130318 °	38.130318 °
				-121.157417 °	-121.157417 °
DWR ID	23610				
Comment Code					
Inspector Comment					
DS_ID:23610 FS_ID:66885 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Safety Issue Crossing Status: Found UCIP Comments: 02/26/2021 Pipe status is still Non-Urgent. LS inlet only has wiring covering it, no cover or riser, safety concern. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Caruso. (H. Dunn – GEI) 05/12/2014 No inlet cover or grate at LS toe. (W. Wylie - DWR UCIP) 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: 2/26/2021					

Photo 1 of 3 : UCIP_FA_2021_66885_92905.jpg



LS view: LS toe from crown, pipe inlet with no riser.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	15.31	Rating **	M	Issue No.	1221	
LM End	15.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.130361 °	38.130361 °	
				-121.155686 °	-121.155686 °	
DWR ID	23611					
Comment Code						
Inspector Comment						
DS_ID:23611 FS_ID:64216 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/26/2021 The record has been upgraded from No Action Needed to Non-Urgent. Some peeling away of metal on inside edge of WS pipe. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Caruso. (H. Dunn – GEI) 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: 2/26/2021						

LM Start	15.31	Rating **	M	Issue No.	1221 (cont)
LM End	15.31	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_64216_92920.jpg



LS view: LS headwall at toe from crown.

Photo 2 of 3 : UCIP_FA_2021_64216_92921.jpg



LS view: LS headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	15.31	Rating **	M	Issue No.	1221 (cont)
LM End	15.31	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.130361 °	38.130361 °
				-121.155686 °	-121.155686 °
DWR ID	23611				

Photo 3 of 3 : UCIP_FA_2021_64216_92922.jpg



LS view: LS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	15.51	Rating **	M	Issue No.	1222	
LM End	15.51	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.132632 °	38.132632 °	
				-121.153838 °	-121.153838 °	
DWR ID	23612					
Comment Code						
Inspector Comment						
DS_ID:23612 FS_ID:66836 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 02/26/2021 Record remains Non-Urgent. Unit 7 – Bear Creek (CLM 15.50 to 16.13) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 15.50 to 16.13 of Unit 7 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. Current condition of pipe crossing does not impede access to patrol road/high ground area. Pipe is open on both ends and LS pipe edges are severely bent, recommend maintenance. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Caruso. (H. Dunn - GEI) 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: 2/26/2021						

Photo 1 of 3 : UCIP_FA_2021_66836_92931.jpg



LS view: LS pipe at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	15.51	Rating **	M	Issue No.	1222 (cont)
LM End	15.51	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.132632 °	38.132632 °
				-121.153838 °	-121.153838 °
DWR ID	23612				

Photo 2 of 3 : UCIP_FA_2021_66836_92924.jpg



LS view: LS pipe at toe.

LM Start	15.51	Rating **	M	Issue No.	1222 (cont)
LM End	15.51	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66836_92925.jpg



LS view: LS pipe, severely bent.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	15.73	Rating **	M	Issue No.	1224	
LM End	15.73	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.135676 °	38.135676 °	
				-121.152769 °	-121.152769 °	
DWR ID	23614					
Comment Code						
Inspector Comment						
DS_ID:23614 FS_ID:66846 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 02/26/2021 Record remains Non-Urgent. Unit 7 – Bear Creek (CLM 15.50 to 16.13) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 15.50 to 16.13 of Unit 7 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. Pipe is barely a foot below crown and open on both WS and LS toes. WS has bad erosion and large burrow holes under and around it, recommend maintenance for open pipe and erosion. Pipe is surrounded by large pieces of broken concrete. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Caruso. (H. Dunn – GEI) 009/18/2018 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: 2/26/2021						

Photo 1 of 3 : UCIP_FA_2021_66846_92948.jpg



LS view: LS pipe at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	15.73	Rating **	M	Issue No.	1224 (cont)
LM End	15.73	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.135676 °	38.135676 °
				-121.152769 °	-121.152769 °
DWR ID	23614				

Photo 2 of 3 : UCIP_FA_2021_66846_92940.jpg



LS view: LS pipe, some bending on top.

LM Start	15.73	Rating **	M	Issue No.	1224 (cont)
LM End	15.73	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66846_92946.jpg



Levee crown 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	10/11/2021 10/11/2021	Alberto De Leon

LM Start	15.87	Rating **	A/W	Issue No.	3	
LM End	15.89	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 *This area is patrol road only and therefore the site is not rated 06/22/2021: The repair is holding up well; no new erosion is visible. 07/31/2020: The erosion has been repaired since the previous inspection and will be monitored for two years. The repair is 85 ft long and approximately 25 ft high. 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.						

Photo 1 of 1 : SJR2021_NA0017U07RM23.14_1.JPG



6/22/2021: View of the repaired erosion site 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	2.15	Rating **	M	Issue No.	1121	
LM End	2.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.042769 °	38.042769 °	
				-121.344760 °	-121.344760 °	
DWR ID	23731					
Comment Code						
Inspector Comment						
DS_ID:23731 FS_ID:63706 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/16/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. Briar bush overgrowth limiting visual of WS toe. Working meter and control panel belonging Rancho San Joaquin Maintenance District Storm Water Facility at LS toe. LMA representative indicated utility belongs to the City of Stockton. The UCIP inspection was completed with DWR Inspector, O. Magana, and LMA representative, J. Caruso. (N. Cholewinski - GEI) FIELD_STRUCT_DESC: [Rancho San Joaquin Maintenance District Storm Water Facility] 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: 2/16/2021						

LM Start	2.15	Rating **	M	Issue No.	1121 (cont)
LM End	2.15	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_63706_93420.jpg



Crown Overview

Photo 2 of 3 : UCIP_FA_2021_63706_93421.jpg



LS View: Pipe visible at LS toe. Electrical control panel and post adjacent to utility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	2.15	Rating **	M	Issue No.	1121 (cont)
LM End	2.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.042769 °	38.042769 °
				-121.344760 °	-121.344760 °
DWR ID	23731				

Photo 3 of 3 : UCIP_FA_2021_63706_93422.jpg



LS View: Pipe visible at LS toe. Electrical control panel and post adjacent to utility.

LM Start	2.15	Rating **	M	Issue No.	1122
LM End	2.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.042760 °	38.042760 °
				-121.344750 °	-121.344750 °
DWR ID	23821				

Comment Code

Inspector Comment

DS_ID:23821
FS_ID:63707
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 02/16/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. Briar bush overgrowth limiting visual of WS toe. Working meter and control panel belonging Rancho San Joaquin Maintenance District Storm Water Facility at LS toe. LMA representative indicated utility belongs to the City of Stockton. The UCIP inspection was completed with DWR Inspector, O. Magana, and LMA representative, J. Caruso. (N. Cholewinski - GEI)
FIELD_STRUCT_DESC: [Rancho San Joaquin Maintenance District Storm Water Facility] 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: 2/16/2021

Photo 1 of 3 : UCIP_FA_2021_63707_93411.jpg



Crown Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	2.15	Rating **	M	Issue No.	1122 (cont)
LM End	2.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.042760 °	38.042760 °
				-121.344750 °	-121.344750 °
DWR ID	23821				

Photo 2 of 3 : UCIP_FA_2021_63707_93413.jpg



LS View: Pipe visible at LS toe. Electrical panel and post adjacent to pipe.

LM Start	2.15	Rating **	M	Issue No.	1122 (cont)
LM End	2.15	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63707_93415.jpg



LS View: Pipe visible at LS toe. Electrical panel and post adjacent to pipe.

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

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

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	2.50	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_2021_NA0017_152_12_20210913_00004.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

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

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

LM Start	3.01	Rating **	C	Issue No.	189
LM End	3.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.042667 °	38.042667 °	
			-121.329084 °	-121.329084 °	
DWR ID	DWR_NA0017_08_s_2021_189				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	3.25	Rating **	C	Issue No.	188
LM End	3.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042645 °	38.042645 °
				-121.324645 °	-121.324645 °
DWR ID	DWR_NA0017_08_s_2021_188				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.65	Rating **	M	Issue No.	1133	
LM End	3.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.042660 °	38.042660 °	
				-121.317222 °	-121.317222 °	
DWR ID	23734					
Comment Code						
Inspector Comment						
DS_ID:23734						
FS_ID:63745						
EP_NO: N/A						
Repair Type: Non-Urgent						
EVAL Issue: Unauthorized Encroachment, installed decades prior						
Crossing Status: Found						
UCIP Comments: 02/16/2021 Record was updated from No Action						
Needed to Non-Urgent. No permit was found authorizing this						
encroachment. CVFPB will need to review crossing to determine owner.						
DWR DMP has not found internal issues, LOF between 1 and 2.						
Recommend inspection in 5 years. Crack in headwall concrete visible						
on LS. Brush covering pipe opening on LS. Debris covering WS						
flapgate. The UCIP inspection was completed with DWR Inspector, O.						
Magana, and LMA representative, J. Caruso. (N. Cholewinski - GEI)						
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: 2/16/2021						

Photo 1 of 3 : UCIP_FA_2021_63745_93342.jpg



Crown Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	3.65	Rating **	M	Issue No.	1133 (cont)
LM End	3.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.042660 °	38.042660 °
				-121.317222 °	-121.317222 °
DWR ID	23734				

Photo 2 of 3 : UCIP_FA_2021_63745_93343.jpg



Crown Overview

LM Start	3.65	Rating **	M	Issue No.	1133 (cont)
LM End	3.65	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63745_93344.jpg



LS View: 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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	3.71	Rating **	M	Issue No.	1135	
LM End	3.71	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.042625 °	38.042625 °	
				-121.316274 °	-121.316274 °	
DWR ID	23808					
Comment Code						
Inspector Comment						
DS_ID:23808						
FS_ID:63748						
EP_NO: N/A						
Repair Type: Non-Urgent						
EVAL Issue: Unauthorized Encroachment, installed decades prior						
Crossing Status: Found						
UCIP Comments: 02/16/2021 Record was updated from No Action						
Needed to Non-Urgent. No permit was found authorizing this						
encroachment. CVFPB will need to review crossing to determine owner.						
DWR DMP has not found internal issues, LOF between 1 and 2.						
Recommend inspection in 5 years. The UCIP inspection was completed						
with DWR Inspector, O. Magana, and LMA representative, J. Caruso.						
(N. Cholewinski - GEI)						
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: 2/16/2021						

LM Start	3.71	Rating **	M	Issue No.	1135 (cont)
LM End	3.71	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_63748_93324.jpg



Crown Overview

Photo 2 of 3 : UCIP_FA_2021_63748_93325.jpg



LS View

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	4.55	Rating **	M	Issue No.	1136 (cont)
LM End	4.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.042748 °	38.042748 °
				-121.300834 °	-121.300834 °
DWR ID	23736				

Photo 2 of 3 : UCIP_FA_2021_63749_93308.jpg



LS View

LM Start	4.55	Rating **	M	Issue No.	1136 (cont)
LM End	4.55	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63749_93309.jpg



LS View: Headwall at LS toe.

LM Start	4.75	Rating **	M	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					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	4.79	Rating **	U	Issue No.	145
LM End	4.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.043893 °	38.043893 °
				-121.296922 °	-121.296922 °
DWR ID	DWR_NA0017_08_f_2020_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_2021_NA0017_152_145_20211018_00418.jpg



View of multiple rodent holes on landside slope. Fall 2021

LM Start	5.56	Rating **	M	Issue No.	1143	
LM End	5.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.050122 °	38.050122 °	
				-121.286318 °	-121.286318 °	
DWR ID	23709					
Comment Code						
Inspector Comment						
DS_ID:23709 FS_ID:63755 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/18/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. LS pipe interior coating is weathering slightly. Small piece of concrete is broken off headwall on LS, not a integrity issue. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI) 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: 2/18/2021						

Photo 1 of 3 : UCIP_FA_2021_63755_93243.jpg



Crown Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	5.56	Rating **	M	Issue No.	1143 (cont)
LM End	5.56	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.050122 °	38.050122 °
				-121.286318 °	-121.286318 °
DWR ID	23709				

Photo 2 of 3 : UCIP_FA_2021_63755_93244.jpg



LS View: Headwall at LS toe.

LM Start	5.56	Rating **	M	Issue No.	1143 (cont)
LM End	5.56	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63755_93245.jpg



LS View: 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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	6.10	Rating **	M	Issue No.	1146
LM End	6.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.052226 °	38.052226 °
				-121.277229 °	-121.277229 °
DWR ID	23711				
Comment Code					
Inspector Comment					
DS_ID:23711 FS_ID:63759 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/18/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. Gravel observed above headwall on LS. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI) 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: 2/18/2021					

Photo 1 of 3 : UCIP_FA_2021_63759_93221.jpg



Crown Overview

LM Start	6.10	Rating **	M	Issue No.	1146 (cont)
LM End	6.10	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_63759_93222.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	6.10	Rating **	M	Issue No.	1146 (cont)
LM End	6.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.052226 °	38.052226 °
				-121.277229 °	-121.277229 °
DWR ID	23711				

Photo 3 of 3 : UCIP_FA_2021_63759_93223.jpg



LS View: Headwall at LS toe.

LM Start	6.12	Rating **	M	Issue No.	173
LM End	7.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.052183 °	38.056623 °
				-121.276854 °	-121.261900 °
DWR ID	DWR_NA0017_08_f_2021_173				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	6.20	Rating **	M	Issue No.	1148
LM End	6.20	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.052247 °	38.052247 °
				-121.275311 °	-121.275311 °
DWR ID	23713				
Comment Code					
Inspector Comment					
DS_ID:23713 FS_ID:63767 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 02/18/2021 Pipe status is still Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI)05/22/2014 Gate rusted shut on LS toe. (W. Wylie - DWR UCIP) 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: 2/18/2021					

LM Start	6.20	Rating **	M	Issue No.	1148 (cont)
LM End	6.20	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_63767_93178.jpg



Crown Overview

Photo 2 of 3 : UCIP_FA_2021_63767_93179.jpg



LS View: Headwall with slide gate 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	6.20	Rating **	M	Issue No.	1148 (cont)
LM End	6.20	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.052247 °	38.052247 °
				-121.275311 °	-121.275311 °
DWR ID	23713				

Photo 3 of 3 : UCIP_FA_2021_63767_93180.jpg



LS View: Headwall with slide gate at LS toe.

LM Start	6.41	Rating **	M	Issue No.	1150
LM End	6.41	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.053016 °	38.053016 °
				-121.271705 °	-121.271705 °
DWR ID	23714				

Comment Code

Inspector Comment

DS_ID:23714
 FS_ID:63769
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 02/18/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. Slight weathering of pipe interior coating at LS toe. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI)
 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: 2/18/2021

Photo 1 of 3 : UCIP_FA_2021_63769_93167.jpg



Crown Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	6.41	Rating **	M	Issue No.	1150 (cont)
LM End	6.41	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.053016 °	38.053016 °
				-121.271705 °	-121.271705 °
DWR ID	23714				

Photo 2 of 3 : UCIP_FA_2021_63769_93168.jpg



LS View: Headwall at LS toe.

LM Start	6.41	Rating **	M	Issue No.	1150 (cont)
LM End	6.41	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63769_93169.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	6.56	Rating **	M	Issue No.	1151	
LM End	6.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.053277 °		38.053277 °
				-121.268962 °		-121.268962 °
DWR ID	23715					
Comment Code						
Inspector Comment						
DS_ID:23715 FS_ID:63770 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/18/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. Stiff WS flapgate, but still opens. Pipe bent and small gap observed at base of pipe at LS toe. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI) 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: 2/18/2021						

LM Start	6.56	Rating **	M	Issue No.	1151 (cont)
LM End	6.56	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_63770_93159.jpg



Crown Overview

Photo 2 of 3 : UCIP_FA_2021_63770_93160.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	6.56	Rating **	M	Issue No.	1151 (cont)	
LM End	6.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.053277 °	38.053277 °	
				-121.268962 °	-121.268962 °	
DWR ID	23715					

Photo 3 of 3 : UCIP_FA_2021_63770_93161.jpg



LS View: Headwall at LS toe.

LM Start	6.63	Rating **	M	Issue No.	1152
LM End	6.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.053742 °	38.053742 °
				-121.267864 °	-121.267864 °
DWR ID	23716				

Comment Code

Inspector Comment

DS_ID:23716
FS_ID:63771
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 02/18/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI)
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: 2/18/2021

Photo 1 of 3 : UCIP_FA_2021_63771_93152.jpg



Crown Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	6.63	Rating **	M	Issue No.	1152 (cont)
LM End	6.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.053742 °	38.053742 °
				-121.267864 °	-121.267864 °
DWR ID	23716				

Photo 2 of 3 : UCIP_FA_2021_63771_93153.jpg



LS View: Headwall at LS toe.

LM Start	6.63	Rating **	M	Issue No.	1152 (cont)
LM End	6.63	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63771_93154.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	6.71	Rating **	M	Issue No.	1154	
LM End	6.71	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.053941 °	38.053941 °	
				-121.266415 °	-121.266415 °	
DWR ID	23718					
Comment Code						
Inspector Comment						
DS_ID:23718 FS_ID:63773 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/18/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. Slight crumbling of concrete around pipe opening on LS. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI) 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: 2/18/2021						

Photo 1 of 3 : UCIP_FA_2021_63773_93140.jpg



Crown Overview

LM Start	6.71	Rating **	M	Issue No.	1154 (cont)
LM End	6.71	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_63773_93141.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	6.71	Rating **	M	Issue No.	1154 (cont)
LM End	6.71	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.053941 °	38.053941 °
				-121.266415 °	-121.266415 °
DWR ID	23718				

Photo 3 of 3 : UCIP_FA_2021_63773_93142.jpg



LS View: Headwall at LS toe.

LM Start	6.83	Rating **	M	Issue No.	1156
LM End	6.83	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.054509 °	38.054509 °
				-121.264312 °	-121.264312 °
DWR ID	23719				

Comment Code

Inspector Comment

DS_ID:23719
 FS_ID:63775
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 02/18/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI)
 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: 2/18/2021

Photo 1 of 3 : UCIP_FA_2021_63775_93130.jpg



Crown Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	6.83	Rating **	M	Issue No.	1156 (cont)
LM End	6.83	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.054509 °	38.054509 °
				-121.264312 °	-121.264312 °
DWR ID	23719				

Photo 2 of 3 : UCIP_FA_2021_63775_93131.jpg



LS View: Headwall at LS toe.

LM Start	6.83	Rating **	M	Issue No.	1156 (cont)
LM End	6.83	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63775_93132.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	6.83	Rating **	M	Issue No.	1157	
LM End	6.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.054515 °	38.054515 °	
				-121.264301 °	-121.264301 °	
DWR ID	23812					
Comment Code						
Inspector Comment						
DS_ID:23812						
FS_ID:63776						
EP_NO: N/A						
Repair Type: Non-Urgent						
EVAL Issue: Unauthorized Encroachment, installed decades prior						
Crossing Status: Found						
UCIP Comments: 02/18/2021 Record was updated from No Action						
Needed to Non-Urgent. No permit was found authorizing this						
encroachment. CVFPB will need to review crossing to determine owner.						
DWR DMP has not found internal issues, LOF between 1 and 2.						
Recommend inspection in 5 years. The UCIP inspection was completed						
with DWR Inspector, S. Donovan, and LMA representative, J. Caruso.						
(N. Cholewinski - GEI)						
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: 2/18/2021						

Photo 1 of 3 : UCIP_FA_2021_63776_93123.jpg



Crown Overview

LM Start	6.83	Rating **	M	Issue No.	1157 (cont)
LM End	6.83	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_63776_93124.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	6.83	Rating **	M	Issue No.	1157 (cont)
LM End	6.83	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.054515 °	38.054515 °
				-121.264301 °	-121.264301 °
DWR ID	23812				

Photo 3 of 3 : UCIP_FA_2021_63776_93125.jpg



LS View: Headwall at LS toe.

LM Start	6.90	Rating **	M	Issue No.	1158
LM End	6.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.055056 °	38.055056 °
				-121.263397 °	-121.263397 °
DWR ID	23720				

Comment Code

Inspector Comment

DS_ID:23720
FS_ID:63777
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 02/18/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI)
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: 2/18/2021

Photo 1 of 3 : UCIP_FA_2021_63777_93117.jpg



Crown Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	6.90	Rating **	M	Issue No.	1158 (cont)
LM End	6.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.055056 °	38.055056 °
				-121.263397 °	-121.263397 °
DWR ID	23720				

Photo 2 of 3 : UCIP_FA_2021_63777_93118.jpg



LS View: Headwall at LS toe.

LM Start	6.90	Rating **	M	Issue No.	1158 (cont)
LM End	6.90	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63777_93119.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	7.08	Rating **	M	Issue No.	1159	
LM End	7.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.057276 °	38.057276 °	
				-121.261565 °	-121.261565 °	
DWR ID	23721					
Comment Code						
Inspector Comment						
DS_ID:23721						
FS_ID:63778						
EP_NO: N/A						
Repair Type: Non-Urgent						
EVAL Issue: Unauthorized Encroachment, installed decades prior						
Crossing Status: Found						
UCIP Comments: 02/18/2021 Record was updated from No Action						
Needed to Non-Urgent. No permit was found authorizing this						
encroachment. CVFPB will need to review crossing to determine owner.						
DWR DMP has not found internal issues, LOF between 1 and 2.						
Recommend inspection in 5 years. The UCIP inspection was completed						
with DWR Inspector, S. Donovan, and LMA representative, J. Caruso.						
(N. Cholewinski - GEI)						
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: 2/18/2021						

LM Start	7.08	Rating **	M	Issue No.	1159 (cont)
LM End	7.08	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_63778_93109.jpg



Crown Overview

Photo 2 of 3 : UCIP_FA_2021_63778_93110.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	7.08	Rating **	M	Issue No.	1159 (cont)
LM End	7.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.057276 °	38.057276 °
				-121.261565 °	-121.261565 °
DWR ID	23721				

Photo 3 of 3 : UCIP_FA_2021_63778_93111.jpg



LS View: Headwall at LS toe.

LM Start	7.44	Rating **	M	Issue No.	190
LM End	7.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.061485 °	38.061485 °
				-121.258290 °	-121.258290 °
DWR ID	DWR_NA0017_08_s_2020_190				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	7.47	Rating **	M	Issue No.	1164	
LM End	7.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.061845 °	38.061845 °	
				-121.257800 °	-121.257800 °	
DWR ID	23743					
Comment Code						
Inspector Comment						
DS_ID:23743 FS_ID:63783 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/18/2021 Record remains Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No cobbles observed in pipe at LS toe. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI)05/21/2014 Cobbles building up at inlet and inside pipe along with sediment. (W. Wylie - DWR UCIP) 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: 2/18/2021						

Photo 1 of 3 : UCIP_FA_2021_63783_93087.jpg



Crown Overview

LM Start	7.47	Rating **	M	Issue No.	1164 (cont)
LM End	7.47	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_63783_93088.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	7.47	Rating **	M	Issue No.	1164 (cont)	
LM End	7.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.061845 °	38.061845 °	
				-121.257800 °	-121.257800 °	
DWR ID	23743					

Photo 3 of 3 : UCIP_FA_2021_63783_93089.jpg



LS View: Headwall at LS toe.

LM Start	7.79	Rating **	M	Issue No.	180
LM End	7.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.064389 °	38.064389 °
				-121.253055 °	-121.253055 °
DWR ID	DWR_NA0017_08_s_2021_180				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	7.98	Rating **	C	Issue No.	179
LM End	7.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.064841 °	38.064841 °
				-121.249669 °	-121.249669 °
DWR ID	DWR_NA0017_08_s_2021_179				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	7.99	Rating **	M	Issue No.	1165	
LM End	7.99	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.064918 °	38.064918 °	
				-121.249540 °	-121.249540 °	
DWR ID	23744					
Comment Code						
Inspector Comment						
DS_ID:23744 FS_ID:63784 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Safety Issue Crossing Status: Found UCIP Comments: 02/18/2021 Record remains Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No lid on riser. Recommend adding lid to riser as a safety measure. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI)05/21/2014 Lid damaged/missing from CMP riser on WS slope. (W. Wylie - DWR UCIP) 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: 2/18/2021						

LM Start	7.99	Rating **	M	Issue No.	1165 (cont)
LM End	7.99	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_63784_93078.jpg



Crown Overview

Photo 2 of 3 : UCIP_FA_2021_63784_93079.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	7.99	Rating **	M	Issue No.	1165 (cont)	
LM End	7.99	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.064918 °		38.064918 °
				-121.249540 °		-121.249540 °
DWR ID	23744					

Photo 3 of 3 : UCIP_FA_2021_63784_93080.jpg



LS View: Headwall at LS toe.

LM Start	7.99	Rating **	M	Issue No.	1166
LM End	7.99	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.064927 °	38.064927 °
				-121.249520 °	-121.249520 °
DWR ID	23820				

Comment Code

Inspector Comment

DS_ID:23820
FS_ID:63785
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Safety Issue
Crossing Status: Found
UCIP Comments: 02/18/2021 Record remains Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. No lid on riser. Recommend adding lid to riser as a safety measure. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI)05/21/2014 Lid damaged/missing on 48-inch CMP riser on WS slope. (W. Wylie - DWR UCIP)
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: 2/18/2021

Photo 1 of 3 : UCIP_FA_2021_63785_93069.jpg



Crown Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	7.99	Rating **	M	Issue No.	1166 (cont)
LM End	7.99	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.064927 °	38.064927 °
				-121.249520 °	-121.249520 °
DWR ID	23820				

Photo 2 of 3 : UCIP_FA_2021_63785_93070.jpg



LS View: Headwall at LS toe.

LM Start	7.99	Rating **	M	Issue No.	1166 (cont)
LM End	7.99	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63785_93071.jpg



LS View: 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
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	8.15	Rating **	M	Issue No.	1167	
LM End	8.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.066308 °	38.066308 °	
				-121.247180 °	-121.247180 °	
DWR ID	23745					
Comment Code						
Inspector Comment						
DS_ID:23745 FS_ID:63786 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/18/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI) 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: 2/18/2021						

LM Start	8.15	Rating **	M	Issue No.	1167 (cont)
LM End	8.15	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_63786_93054.jpg



Crown Overview

Photo 2 of 3 : UCIP_FA_2021_63786_93055.jpg



LS View: 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	8.15	Rating **	M	Issue No.	1167 (cont)
LM End	8.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.066308 °	38.066308 °
				-121.247180 °	-121.247180 °
DWR ID	23745				

Photo 3 of 3 : UCIP_FA_2021_63786_93056.jpg



LS View: Headwall at LS toe.

LM Start	9.30	Rating **	M	Issue No.	1170
LM End	9.30	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.069651 °	38.069651 °
				-121.227000 °	-121.227000 °
DWR ID	23722				

Comment Code

Inspector Comment

DS_ID:23722
 FS_ID:63790
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 02/22/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI)
 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: 2/22/2021

Photo 1 of 3 : UCIP_FA_2021_63790_93021.jpg



Crown Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	9.30	Rating **	M	Issue No.	1170 (cont)
LM End	9.30	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.069651 °	38.069651 °
				-121.227000 °	-121.227000 °
DWR ID	23722				

Photo 2 of 3 : UCIP_FA_2021_63790_93022.jpg



WS View: Headwall and flapgate at WS slope.

LM Start	9.30	Rating **	M	Issue No.	1170 (cont)
LM End	9.30	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63790_93023.jpg



WS View: Headwall and flapgate at 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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	9.53	Rating **	M	Issue No.	1173	
LM End	9.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.069815 °	38.069815 °	
				-121.222720 °	-121.222720 °	
DWR ID	23726					
Comment Code						
Inspector Comment						
DS_ID:23726 FS_ID:63292 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 02/22/2021 Record was updated from No Action Needed to Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. Approximately 7 bullet holes observed in WS flapgate. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI) 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: 2/22/2021						

Photo 1 of 3 : UCIP_FA_2021_63292_92901.jpg



Crown Overview

LM Start	9.53	Rating **	M	Issue No.	1173 (cont)
LM End	9.53	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_63292_92902.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	9.53	Rating **	M	Issue No.	1173 (cont)
LM End	9.53	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.069815 °	38.069815 °
				-121.222720 °	-121.222720 °
DWR ID	23726				

Photo 3 of 3 : UCIP_FA_2021_63292_92910.jpg



LS View: Headwall at LS toe.

LM Start	9.78	Rating **	M	Issue No.	1174
LM End	9.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.070510 °	38.070510 °
				-121.218520 °	-121.218520 °
DWR ID	23727				

Comment Code

Inspector Comment

DS_ID:23727
 FS_ID:63793
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 02/22/2021 Pipe status is still Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. Slope above WS headwall is very steep and eroding. Sediment from erosion observed on top of WS pipe outlet. Sediment build-up has decreased in pipe at LS toe. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI)05/21/2014 Sediment and debris buildup inside pipe on LS toe. (W. Wylie - DWR UCIP)
 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: 2/22/2021

Photo 1 of 3 : UCIP_FA_2021_63793_92888.jpg



Crown Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	9.78	Rating **	M	Issue No.	1174 (cont)
LM End	9.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.070510 °	38.070510 °
				-121.218520 °	-121.218520 °
DWR ID	23727				

Photo 2 of 3 : UCIP_FA_2021_63793_92889.jpg



WS View: Headwall and flapgate on WS slope.

LM Start	9.78	Rating **	M	Issue No.	1174 (cont)
LM End	9.78	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63793_92890.jpg



WS View: Headwall and flapgate on WS slope. Erosion observed above 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	10.21	Rating **	M	Issue No.	1175	
LM End	10.21	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.073660 °	38.073660 °	
				-121.212010 °	-121.212010 °	
DWR ID	23728					
Comment Code						
Inspector Comment						
DS_ID:23728 FS_ID:63794 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/22/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. Some concrete rubble observed above headwall on WS. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI) 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: 2/22/2021						

LM Start	10.21	Rating **	M	Issue No.	1175 (cont)
LM End	10.21	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_63794_92857.jpg



Crown Overview

Photo 2 of 3 : UCIP_FA_2021_63794_92859.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	10.21	Rating **	M	Issue No.	1175 (cont)
LM End	10.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.073660 °	38.073660 °
				-121.212010 °	-121.212010 °
DWR ID	23728				

Photo 3 of 3 : UCIP_FA_2021_63794_92864.jpg



LS View: Facing headwall at LS toe.

LM Start	10.23	Rating **	M	Issue No.	1176
LM End	10.23	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.073725 °	38.073725 °
				-121.211715 °	-121.211715 °
DWR ID	23729				

Comment Code

Inspector Comment

DS_ID:23729
FS_ID:63795
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 02/22/2021 Pipe status is still Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. Water observed at pipe opening at LS toe. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI)05/21/2014 Some sediment buildup in pipe at LS toe. (W. Wylie - DWR UCIP)
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: 2/22/2021

Photo 1 of 3 : UCIP_FA_2021_63795_92828.jpg



Crown Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	10.23	Rating **	M	Issue No.	1176 (cont)	
LM End	10.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.073725 °	38.073725 °	
				-121.211715 °	-121.211715 °	
DWR ID	23729					

Photo 2 of 3 : UCIP_FA_2021_63795_92829.jpg



WS View: Headwall and flapgate at WS slope.

LM Start	10.23	Rating **	M	Issue No.	1176 (cont)
LM End	10.23	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63795_92830.jpg



WS View: Headwall and 24-inch flapgate at WS slope.

LM Start	10.35	Rating **	M	Issue No.	134
LM End	10.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.074679 °	38.074679 °
				-121.208597 °	-121.208597 °
DWR ID	DWR_NA0017_08_f_2020_134				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	10.43	Rating **	M	Issue No.	1177	
LM End	10.43	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.075750 °	38.075750 °	
				-121.208184 °	-121.208184 °	
DWR ID	23748					
Comment Code						
Inspector Comment						
DS_ID:23748 FS_ID:63839 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/22/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. 4.5-inch PVC pipe discharging at LS toe headwall. 2-inch PVC pipe on LS slope adjacent to headwall, seems disconnected. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI)05/21/2014 2-small PVC pipes discharge into inlet on LS toe. (W. Wylie - DWR UCIP) 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: 2/22/2021						

LM Start	10.43	Rating **	M	Issue No.	1177 (cont)
LM End	10.43	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_63839_92810.jpg



Crown Overview

Photo 2 of 3 : UCIP_FA_2021_63839_92811.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	10.43	Rating **	M	Issue No.	1177 (cont)
LM End	10.43	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.075750 °	38.075750 °
				-121.208184 °	-121.208184 °
DWR ID	23748				

Photo 3 of 3 : UCIP_FA_2021_63839_92812.jpg



LS View: Headwall at LS toe. 4.5-inch PVC pipe discharges at headwall.

LM Start	10.47	Rating **	M	Issue No.	172
LM End	10.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.076224 °	38.076224 °
				-121.208069 °	-121.208069 °
DWR ID	DWR_NA0017_08_f_2021_172				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	10.65	Rating **	M	Issue No.	1178	
LM End	10.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.078140 °	38.078140 °	
				-121.205820 °	-121.205820 °	
DWR ID	23749					
Comment Code						
Inspector Comment						
DS_ID:23749 FS_ID:63796 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/22/2021 Pipe status is still Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI)05/21/2014 Some silt buildup in pipe at LS toe. (W. Wylie - DWR UCIP) 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: 2/22/2021						

LM Start	10.65	Rating **	M	Issue No.	1178 (cont)
LM End	10.65	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_63796_92787.jpg



Crown Overview

Photo 2 of 3 : UCIP_FA_2021_63796_92788.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	10.65	Rating **	M	Issue No.	1178 (cont)	
LM End	10.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.078140 °	38.078140 °	
				-121.205820 °	-121.205820 °	
DWR ID	23749					

Photo 3 of 3 : UCIP_FA_2021_63796_92789.jpg



LS View: Headwall at LS toe.

LM Start	10.99	Rating **	M	Issue No.	1179
LM End	10.99	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.079910 °	38.079910 °
				-121.200413 °	-121.200413 °
DWR ID	23750				

Comment Code

Inspector Comment

DS_ID:23750
FS_ID:63797
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 02/22/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not completed an internal inspection of the pipe. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI)
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: 2/22/2021

Photo 1 of 3 : UCIP_FA_2021_63797_92755.jpg



Crown Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	10.99	Rating **	M	Issue No.	1179 (cont)
LM End	10.99	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.079910 °	38.079910 °
				-121.200413 °	-121.200413 °
DWR ID	23750				

Photo 2 of 3 : UCIP_FA_2021_63797_92763.jpg



LS View: Headwall at LS toe.

LM Start	10.99	Rating **	M	Issue No.	1179 (cont)
LM End	10.99	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63797_92764.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	11.03	Rating **	M	Issue No.	1180	
LM End	11.03	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.080429 °	38.080429 °	
				-121.199885 °	-121.199885 °	
DWR ID	23751					
Comment Code						
Inspector Comment						
DS_ID:23751 FS_ID:63798 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/22/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI) 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: 2/22/2021						

Photo 1 of 3 : UCIP_FA_2021_63798_92742.jpg



Crown Overview

LM Start	11.03	Rating **	M	Issue No.	1180 (cont)
LM End	11.03	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_63798_92743.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	11.03	Rating **	M	Issue No.	1180 (cont)
LM End	11.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.080429 °	38.080429 °
				-121.199885 °	-121.199885 °
DWR ID	23751				

Photo 3 of 3 : UCIP_FA_2021_63798_92744.jpg



LS View: Headwall at LS toe.

LM Start	11.20	Rating **	M	Issue No.	171
LM End	11.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.082343 °	38.082343 °
				-121.197918 °	-121.197918 °
DWR ID	DWR_NA0017_08_s_2021_171				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	11.22	Rating **	M	Issue No.	169
LM End	11.22	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.082517 °	38.082517 °
				-121.197692 °	-121.197692 °
DWR ID	DWR_NA0017_08_f_2021_169				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	11.24	Rating **	M	Issue No.	1182
LM End	11.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.082765 °	38.082765 °
				-121.197352 °	-121.197352 °
DWR ID	23752				
Comment Code					
Inspector Comment					
DS_ID:23752 FS_ID:63800 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/22/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI) 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: 2/22/2021					

Photo 1 of 3 : UCIP_FA_2021_63800_92694.jpg



Crown Overview

LM Start	11.24	Rating **	M	Issue No.	1182 (cont)
LM End	11.24	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_63800_92695.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	11.24	Rating **	M	Issue No.	1182 (cont)
LM End	11.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.082765 °	38.082765 °
				-121.197352 °	-121.197352 °
DWR ID	23752				

Photo 3 of 3 : UCIP_FA_2021_63800_92696.jpg



LS View: Headwall at LS toe.

LM Start	11.31	Rating **	M	Issue No.	1183	
LM End	11.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.083428 °	38.083428 °	
				-121.196474 °	-121.196474 °	
DWR ID	23753					

Comment Code

Inspector Comment

DS_ID:23753
 FS_ID:63801
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 02/22/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI)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: 2/22/2021

Photo 1 of 3 : UCIP_FA_2021_63801_92687.jpg



Crown Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	11.31	Rating **	M	Issue No.	1183 (cont)
LM End	11.31	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.083428 °	38.083428 °
				-121.196474 °	-121.196474 °
DWR ID	23753				

Photo 2 of 3 : UCIP_FA_2021_63801_92688.jpg



LS View: Headwall at LS toe.

LM Start	11.31	Rating **	M	Issue No.	1183 (cont)
LM End	11.31	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63801_92689.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	11.70	Rating **	M	Issue No.	1184	
LM End	11.70	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.086137 °	38.086137 °	
				-121.190458 °	-121.190458 °	
DWR ID	23754					
Comment Code						
Inspector Comment						
DS_ID:23754 FS_ID:63840 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/22/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. A 4.5-inch PVC pipe is positioned to discharge at the LS inlet. The 4.5-inch PVC pipe is an unauthorized engroachment that has been installed along the LS toe. Recommend having the CVFPB review this record to have landowner remove the illegal encroachment along the LS toe. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI)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: 2/22/2021						

Photo 1 of 3 : UCIP_FA_2021_63840_92681.jpg



Crown Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	11.70	Rating **	M	Issue No.	1184 (cont)
LM End	11.70	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.086137 °	38.086137 °
				-121.190458 °	-121.190458 °
DWR ID	23754				

Photo 2 of 3 : UCIP_FA_2021_63840_92682.jpg



LS View: Headwall at LS toe.

LM Start	11.70	Rating **	M	Issue No.	1184 (cont)
LM End	11.70	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63840_92683.jpg



LS View: Headwall at LS toe. PVC pipe discharging at inlet.

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	11.84	Rating **	M	Issue No.	1187	
LM End	11.84	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.087303 °	38.087303 °	
				-121.188608 °	-121.188608 °	
DWR ID	23756					
Comment Code						
Inspector Comment						
DS_ID:23756 FS_ID:63804 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Safety Issue Crossing Status: Found UCIP Comments: 02/22/2021 Pipe status is still Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. Riser lid damage. Recommend adding lid to riser as a safety measure. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI)05/21/2014 CMP riser missing cover on WS slope. (W. Wylie - DWR UCIP) 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: 2/22/2021						

Photo 1 of 3 : UCIP_FA_2021_63804_92661.jpg



Crown Overview

LM Start	11.84	Rating **	M	Issue No.	1187 (cont)
LM End	11.84	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_63804_92662.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	11.84	Rating **	M	Issue No.	1187 (cont)
LM End	11.84	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.087303 °	38.087303 °	
			-121.188608 °	-121.188608 °	
DWR ID	23756				

Photo 3 of 3 : UCIP_FA_2021_63804_92663.jpg



LS View: Headwall at LS toe.

LM Start	11.84	Rating **	M	Issue No.	1188
LM End	11.84	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.087319 °	38.087319 °	
			-121.188596 °	-121.188596 °	
DWR ID	23818				

Comment Code

Inspector Comment

DS_ID:23818
 FS_ID:63805
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Safety Issue
 Crossing Status: Found
 UCIP Comments: 02/22/2021 Pipe status is still Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. Riser lid missing. Recommend adding riser lid for safety reasons. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski - GEI)05/21/2014 CMP riser missing cover on WS slope may be hazard. (W. Wylie - DWR UCIP)
 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: 2/22/2021

Photo 1 of 3 : UCIP_FA_2021_63805_92650.jpg



Crown Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	11.84	Rating **	M	Issue No.	1188 (cont)	
LM End	11.84	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.087319 °	38.087319 °	
				-121.188596 °	-121.188596 °	
DWR ID	23818					

Photo 2 of 3 : UCIP_FA_2021_63805_92651.jpg



LS View

LM Start	11.84	Rating **	M	Issue No.	1188 (cont)
LM End	11.84	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63805_92652.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	12.07	Rating **	M	Issue No.	1189	
LM End	12.07	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.089088 °	38.089088 °	
				-121.185187 °	-121.185187 °	
DWR ID	23757					
Comment Code						
Inspector Comment						
DS_ID:23757 FS_ID:63806 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/22/2021 Pipe status is still Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. The UCIP inspection was completed with DWR Inspector, S. Donovan, and LMA representative, J. Caruso. (N. Cholewinski – GEI)05/21/2014 Some sediment buildup in pipe at inlet. (W. Wylie - DWR DMP) 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: 2/22/2021						

Photo 1 of 3 : UCIP_FA_2021_63806_92644.jpg



Crown Overview

LM Start	12.07	Rating **	M	Issue No.	1189 (cont)
LM End	12.07	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_63806_92645.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	12.07	Rating **	M	Issue No.	1189 (cont)
LM End	12.07	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.089088 °	38.089088 °
				-121.185187 °	-121.185187 °
DWR ID	23757				

Photo 3 of 3 : UCIP_FA_2021_63806_92646.jpg



LS View: Pipe at LS toe.

LM Start	12.41	Rating **	U	Issue No.	1191
LM End	12.41	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.091770 °	38.091770 °
				-121.181070 °	-121.181070 °
DWR ID	23761				

Comment Code

Inspector Comment

DS_ID:23761
 FS_ID:63846
 EP_NO: N/A
 Repair Type: Urgent
 EVAL Issue: Pipe Integrity
 Crossing Status: Found
 UCIP Comments: 02/22/2021 Record was updated from No Action Needed to Urgent. DWR DMP has found integrity issues, LOF between 5 and 6. Crossing will be monitored until funding becomes available for removal. No permit was found authorizing this encroachment. There appears to be a gap between the headwall and concrete apron. Recommend monitoring the gap to determine if it is associated with undermining occurring. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Caruso. (N. Cholewinski - GEI)
 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: 2/22/2021

Photo 1 of 3 : UCIP_FA_2021_63846_92627.jpg



Crown Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	12.41	Rating **	U	Issue No.	1191 (cont)
LM End	12.41	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.091770 °	38.091770 °
				-121.181070 °	-121.181070 °
DWR ID	23761				

Photo 2 of 3 : UCIP_FA_2021_63846_92628.jpg



LS View: Headwall at LS toe.

LM Start	12.41	Rating **	U	Issue No.	1191 (cont)
LM End	12.41	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63846_92629.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	12.57	Rating **	M	Issue No.	1194	
LM End	12.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.092130 °	38.092130 °	
				-121.178163 °	-121.178163 °	
DWR ID	23764					
Comment Code						
Inspector Comment						
DS_ID:23764 FS_ID:63809 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/22/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. The UCIP inspection was completed with LMA representative, J. Caruso. (N. Cholewinski – GEI) 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: 2/22/2021						

LM Start	12.57	Rating **	M	Issue No.	1194 (cont)
LM End	12.57	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_63809_92606.jpg



Crown Overview

Photo 2 of 3 : UCIP_FA_2021_63809_92607.jpg



LS View: Headwall and flapgate at LS toe. Abandoned irrigation structure 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	12.57	Rating **	M	Issue No.	1194 (cont)
LM End	12.57	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.092130 °	38.092130 °	
			-121.178163 °	-121.178163 °	
DWR ID	23764				

Photo 3 of 3 : UCIP_FA_2021_63809_92608.jpg



LS View: Abandoned irrigation structure at LS toe.

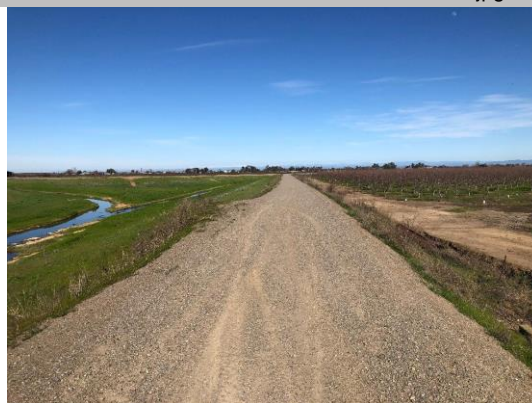
LM Start	12.63	Rating **	M	Issue No.	1195
LM End	12.63	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.092598 °	38.092598 °	
			-121.177228 °	-121.177228 °	
DWR ID	23765				

Comment Code

Inspector Comment

DS_ID:23765
 FS_ID:64149
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Pipe Damage
 Crossing Status: Found
 UCIP Comments: 02/22/2021 Record was updated from No Action Needed to Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Caruso. (N. Cholewinski - GEI)
 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: 2/22/2021

Photo 1 of 3 : UCIP_FA_2021_64149_92597.jpg



Crown Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	12.63	Rating **	M	Issue No.	1195 (cont)
LM End	12.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.092598 °	38.092598 °
				-121.177228 °	-121.177228 °
DWR ID	23765				

Photo 2 of 3 : UCIP_FA_2021_64149_92598.jpg



LS View: Headwall and slide gate at LS toe.

LM Start	12.63	Rating **	M	Issue No.	1195 (cont)
LM End	12.63	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_64149_92599.jpg



WS View: 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	12.89	Rating **	M	Issue No.	1197	
LM End	12.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.097279 °	38.097279 °	
				-121.175854 °	-121.175854 °	
DWR ID	23767					
Comment Code						
Inspector Comment						
DS_ID:23767 FS_ID:63811 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/23/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. The UCIP inspection was completed with LMA representative, J. Caruso. (N. Cholewinski – GEI) 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: 2/23/2021						

LM Start	12.89	Rating **	M	Issue No.	1197 (cont)
LM End	12.89	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_63811_92581.jpg



Crown Overview

Photo 2 of 3 : UCIP_FA_2021_63811_92582.jpg



LS View

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	12.89	Rating **	M	Issue No.	1197 (cont)
LM End	12.89	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.097279 °	38.097279 °
				-121.175854 °	-121.175854 °
DWR ID	23767				

Photo 3 of 3 : UCIP_FA_2021_63811_92583.jpg



LS View: Headwall at LS toe.

LM Start	12.89	Rating **	C	Issue No.	120
LM End	12.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.097288 °	38.098430 °
				-121.175836 °	-121.175712 °
DWR ID	DWR_NA0017_08_f_2020_120				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	12.98	Rating **	M	Issue No.	1198	
LM End	12.98	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.098566 °		38.098566 °
				-121.175704 °		-121.175704 °
DWR ID	23768					
Comment Code						
Inspector Comment						
DS_ID:23768 FS_ID:63812 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Safety Issue Crossing Status: Found UCIP Comments: 02/23/2021 Pipe status is still Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. LS not accessible due to barbed cattle fencing. Riser lid missing. Recommend adding lid to riser as a safety measure. The UCIP inspection was completed with LMA representative, J. Caruso. (N. Cholewinski – GEI)05/21/2014 Some debris buildup at inlet. No lid on CMP riser on WS slope. (W. Wylie - DWR DMP) 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: 2/23/2021						

LM Start	12.98	Rating **	M	Issue No.	1198 (cont)
LM End	12.98	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_63812_92573.jpg



Crown Overview

Photo 2 of 3 : UCIP_FA_2021_63812_92574.jpg



LS View

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	12.98	Rating **	M	Issue No.	1198 (cont)	
LM End	12.98	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.098566 °	38.098566 °	
				-121.175704 °	-121.175704 °	
DWR ID	23768					

Photo 3 of 3 : UCIP_FA_2021_63812_92575.jpg



LS View: Pipe at LS toe with cattle fencing around opening.

LM Start	12.98	Rating **	M	Issue No.	1199
LM End	12.98	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.098582 °	38.098582 °
				-121.175703 °	-121.175703 °
DWR ID	23816				

Photo 1 of 3 : UCIP_FA_2021_63813_92567.jpg



Crown Overview

Comment Code					
Inspector Comment					
DS_ID:23816 FS_ID:63813 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Safety Issue Crossing Status: Found UCIP Comments: 02/23/2021 Pipe status is still Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. LS not accessible due to barbed cattle fencing. Riser lid missing. Recommend adding lid to riser as a safety measure. The UCIP inspection was completed with LMA representative, J. Caruso. (N. Cholewinski – GEI)05/21/2014 Some debris buildup at inlet and no lid on standpipe at WS shoulder. (W. Wylie - DWR DMP) 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: 2/23/2021					

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	12.98	Rating **	M	Issue No.	1199 (cont)
LM End	12.98	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.098582 °	38.098582 °
				-121.175703 °	-121.175703 °
DWR ID	23816				

Photo 2 of 3 : UCIP_FA_2021_63813_92568.jpg



LS View

LM Start	12.98	Rating **	M	Issue No.	1199 (cont)
LM End	12.98	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63813_92569.jpg



LS View: Cattle fencing around 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	13.13	Rating **	M	Issue No.	1200
LM End	13.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.100544 °	38.100544 °
				-121.176536 °	-121.176536 °
DWR ID	23769				
Comment Code					
Inspector Comment					
DS_ID:23769 FS_ID:63814 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/23/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. Standpipe, 24-inch OD, located landward of LS toe is discharging at storm drain inlet at LS toe. The UCIP inspection was completed with LMA representative, J. Caruso. (N. Cholewinski – GEI) 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: 2/23/2021					

Photo 1 of 3 : UCIP_FA_2021_63814_92560.jpg



Crown Overview

LM Start	13.13	Rating **	M	Issue No.	1200 (cont)
LM End	13.13	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_63814_92561.jpg



LS View

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	13.13	Rating **	M	Issue No.	1200 (cont)
LM End	13.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.100544 °	38.100544 °
				-121.176536 °	-121.176536 °
DWR ID	23769				

Photo 3 of 3 : UCIP_FA_2021_63814_92562.jpg



LS View: Headwall at LS toe.

LM Start	13.18	Rating **	C	Issue No.	160
LM End	13.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.101161 °	38.101438 °
				-121.177040 °	-121.177137 °
DWR ID	DWR_NA0017_08_s_2021_160				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	13.23	Rating **	M	Issue No.	1202
LM End	13.23	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.101804 °	38.101804 °
				-121.177156 °	-121.177156 °
DWR ID	23770				
Comment Code					
Inspector Comment					
DS_ID:23770 FS_ID:63221 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 02/23/2021 Record was updated from No Action Needed to Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. Slight weathering of interior pipe coating observed. The UCIP inspection was completed with LMA representative, J. Caruso. (N. Cholewinski - GEI) 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: 2/23/2021					

Photo 1 of 3 : UCIP_FA_2021_63221_92548.jpg



Crown Overview and LS View

LM Start	13.23	Rating **	M	Issue No.	1202 (cont)
LM End	13.23	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_63221_92549.jpg



Crown Overview and WS View

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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**

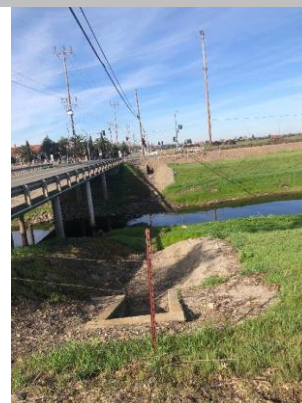
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	13.23	Rating **	M	Issue No.	1202 (cont)
LM End	13.23	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.101804 °	38.101804 °
				-121.177156 °	-121.177156 °
DWR ID	23770				

Photo 3 of 3 : UCIP_FA_2021_63221_92550.jpg



WS View

LM Start	13.44	Rating **	M	Issue No.	1203
LM End	13.44	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.104814 °	38.104814 °
				-121.176570 °	-121.176570 °
DWR ID	23771				

Comment Code

Inspector Comment

DS_ID:23771
 FS_ID:63816
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 02/23/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. Leaf vegetation build-up present at LS toe. The UCIP inspection was completed with LMA representative, J. Caruso. (N. Cholewinski – GEI)
 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: 2/23/2021

Photo 1 of 3 : UCIP_FA_2021_63816_92532.jpg



Crown Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	13.44	Rating **	M	Issue No.	1203 (cont)
LM End	13.44	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.104814 °	38.104814 °
				-121.176570 °	-121.176570 °
DWR ID	23771				

Photo 2 of 3 : UCIP_FA_2021_63816_92533.jpg



LS View: Headwall at LS toe.

LM Start	13.44	Rating **	M	Issue No.	1203 (cont)
LM End	13.44	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63816_92534.jpg



LS View: 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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	13.78	Rating **	U	Issue No.	1205	
LM End	13.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.108581 °	38.108581 °	
				-121.172653 °	-121.172653 °	
DWR ID	23773					
Comment Code						
Inspector Comment						
DS_ID:23773 FS_ID:63216 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 02/23/2021 Record was updated from No Action Needed to Urgent. DWR DMP has found integrity issues, LOF between 5 and 6. Crossing will be monitored until funding becomes available for removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. Slight offset, <1-inch, observed within interior of pipe at approximately 10 feet inside pipe from LS pipe opening. Small gap, approximately 1/4-inch, present at base of pipe along exterior of pipe opening at LS toe. The UCIP inspection was completed with LMA representative, J. Caruso. (N. Cholewinski - GEI) 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: 2/23/2021						

LM Start	13.78	Rating **	U	Issue No.	1205 (cont)
LM End	13.78	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_63216_92517.jpg



Crown Overview

Photo 2 of 3 : UCIP_FA_2021_63216_92518.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	13.78	Rating **	U	Issue No.	1205 (cont)
LM End	13.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.108581 °	38.108581 °
				-121.172653 °	-121.172653 °
DWR ID	23773				

Photo 3 of 3 : UCIP_FA_2021_63216_92519.jpg



LS View: Headwall at LS toe.

LM Start	13.78	Rating **	M	Issue No.	1206
LM End	13.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.108594 °	38.108594 °
				-121.172640 °	-121.172640 °
DWR ID	23815				

Comment Code

Inspector Comment

DS_ID:23815
 FS_ID:63214
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 02/23/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. The UCIP inspection was completed with LMA representative, J. Caruso. (N. Cholewinski – GEI)
 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: 2/23/2021

Photo 1 of 3 : UCIP_FA_2021_63214_92508.jpg



Crown Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	13.78	Rating **	M	Issue No.	1206 (cont)
LM End	13.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.108594 °	38.108594 °
				-121.172640 °	-121.172640 °
DWR ID	23815				

Photo 2 of 3 : UCIP_FA_2021_63214_92509.jpg



LS View: Headwall at LS toe.

LM Start	13.78	Rating **	M	Issue No.	1206 (cont)
LM End	13.78	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63214_92510.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	13.97	Rating **	M	Issue No.	1208	
LM End	13.97	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.111250 °	38.111250 °	
				-121.172202 °	-121.172202 °	
DWR ID	23775					
Comment Code						
Inspector Comment						
DS_ID:23775 FS_ID:63819 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/23/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. The UCIP inspection was completed with LMA representative, J. Caruso. (N. Cholewinski – GEI) 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: 2/23/2021						

LM Start	13.97	Rating **	M	Issue No.	1208 (cont)
LM End	13.97	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_63819_92493.jpg



Crown Overview - Storm drain located on upstream side of bridge.

Photo 2 of 3 : UCIP_FA_2021_63819_92494.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	13.97	Rating **	M	Issue No.	1208 (cont)
LM End	13.97	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111250 °	38.111250 °
				-121.172202 °	-121.172202 °
DWR ID	23775				

Photo 3 of 3 : UCIP_FA_2021_63819_92495.jpg



LS View: Headwall at LS toe.

LM Start	14.08	Rating **	M	Issue No.	1209
LM End	14.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.112950 °	38.112950 °
				-121.171992 °	-121.171992 °
DWR ID	23776				

Comment Code

Inspector Comment

DS_ID:23776
 FS_ID:63820
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 02/23/2021 Pipe status is still Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. Observed small gap, approximately 1/4-inch wide, at base of pipe on LS toe. The UCIP inspection was completed with LMA representative, J. Caruso. (N. Cholewinski – GEI)05/21/2014 Some silt buildup inside pipe. (W. Wylie - DWR DMP)
 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: 2/23/2021

Photo 1 of 3 : UCIP_FA_2021_63820_92485.jpg



Crown Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	14.08	Rating **	M	Issue No.	1209 (cont)
LM End	14.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.112950 °	38.112950 °
				-121.171992 °	-121.171992 °
DWR ID	23776				

Photo 2 of 3 : UCIP_FA_2021_63820_92486.jpg



LS View: Headwall at LS toe.

LM Start	14.08	Rating **	M	Issue No.	1209 (cont)
LM End	14.08	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63820_92487.jpg



LS View: Headwall at LS toe.

LM Start	14.29	Rating **	C	Issue No.	152
LM End	14.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.115948 °	38.115948 °
				-121.171657 °	-121.171657 °
DWR ID	DWR_NA0017_08_s_2021_152				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	14.31	Rating **	M	Issue No.	1211
LM End	14.31	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.116164 °	38.116164 °
				-121.171657 °	-121.171657 °
DWR ID	23778				
Comment Code					
Inspector Comment					
DS_ID:23778 FS_ID:63821 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/23/2021 Pipe status is still Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. The UCIP inspection was completed with LMA representative, J. Caruso. (N. Cholewinski – GEI)05/21/2014 Some silt buildup inside pipe. (W. Wylie - DWR DMP) 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: 2/23/2021					

LM Start	14.31	Rating **	M	Issue No.	1211 (cont)
LM End	14.31	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_63821_92468.jpg



Crown Overview

Photo 2 of 3 : UCIP_FA_2021_63821_92471.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	14.31	Rating **	M	Issue No.	1211 (cont)	
LM End	14.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.116164 °	38.116164 °	
				-121.171657 °	-121.171657 °	
DWR ID	23778					

Photo 3 of 3 : UCIP_FA_2021_63821_92472.jpg



LS View: Headwall at LS toe.

LM Start	14.32	Rating **	M	Issue No.	1213
LM End	14.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.116420 °	38.116420 °
				-121.171643 °	-121.171643 °
DWR ID	23779				

Comment Code

Inspector Comment

DS_ID:23779
 FS_ID:63823
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 02/23/2021 Record was updated from No Action Needed to Non-Urgent . No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. The UCIP inspection was completed with LMA representative, J. Caruso. (N. Cholewinski - GEI)
 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: 2/23/2021

Photo 1 of 3 : UCIP_FA_2021_63823_92457.jpg



Crown Overview - Utility across road.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	14.32	Rating **	M	Issue No.	1213 (cont)
LM End	14.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.116420 °	38.116420 °
				-121.171643 °	-121.171643 °
DWR ID	23779				

Photo 2 of 3 : UCIP_FA_2021_63823_92458.jpg



LS View: Headwall at LS toe.

LM Start	14.32	Rating **	M	Issue No.	1213 (cont)
LM End	14.32	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63823_92459.jpg



LS View: 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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	14.67	Rating **	A/W	Issue No.	183
LM End	14.68	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

*This area is patrol road only and therefore the site is not rated

06/22/2021: A large rodent hole was discovered at the bank toe a few feet upstream of the erosion. Otherwise, no significant changes were observed during the annual survey.

07/31/2020: Observed two scour locations at the toe, beneath the existing erosion, approximately 5 ft long and 3 to 4 high. Also noticed some signs of burrow activity.

08/01/2019: Erosion likely has been caused by rainfall runoff.

LM Start	14.67	Rating **	A/W	Issue No.	183 (cont)
LM End	14.68	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021_NA0017U08RM21.46_6.JPG



6/22/2021: View of the erosion from the opposite bank.

Photo 2 of 2 : SJR2021_NA0017U08RM21.46_4.JPG



6/22/2021: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	14.70	Rating **	M	Issue No.	1214	
LM End	14.70	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.121425 °	38.121425 °	
				-121.169179 °	-121.169179 °	
DWR ID	23780					
Comment Code						
Inspector Comment						
DS_ID:23780 FS_ID:63205 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 02/23/2021 Record was updated from No Action Needed to Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Caruso. (N. Cholewinski - GEI) 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: 2/23/2021						

Photo 1 of 3 : UCIP_FA_2021_63205_92449.jpg



Crown Overview

LM Start	14.70	Rating **	M	Issue No.	1214 (cont)
LM End	14.70	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_63205_92450.jpg



LS View: CM 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	14.70	Rating **	M	Issue No.	1214 (cont)
LM End	14.70	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.121425 °	38.121425 °
				-121.169179 °	-121.169179 °
DWR ID	23780				

Photo 3 of 3 : UCIP_FA_2021_63205_92451.jpg



LS View: CM pipe at LS toe.

LM Start	14.76	Rating **	A/W	Issue No.	2
LM End	14.77	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

*This area is patrol road only and therefore the site is not rated

06/22/2021: The repair, which extends to the erosion site, is holding up well. No new erosion is visible. The site will be monitored for one more year.

09/08/2020: Visited a PL84-99 erosion repair (most likely DWR 2017 Storm Damage Site LMA-305) that begins at the downstream end of the erosion site, extending 200 ft downstream on both banks.

07/31/2020: No changes observed since the previous inspection.

08/01/2019: Erosion is at the bank toe, caused by river flow.

Photo 1 of 2 : SJR2021_NA0017U08RM21.52_2.JPG



6/22/2021: View of the upstream end 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	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	14.76	Rating **	A/W	Issue No.	2 (cont)
LM End	14.77	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				

Photo 2 of 2 : SJR2021_NA017U08RM21.52_12.JPG



9/8/2020: Another view of the erosion and upstream end of the repair.

LM Start	14.85	Rating **	M	Issue No.	1215
LM End	14.85	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.123628 °	38.123628 °	
			-121.169175 °	-121.169175 °	
DWR ID	23781				

Comment Code

Inspector Comment

DS_ID:23781
FS_ID:63824
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 02/23/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. Tree on downstream side of WS headwall is causing slight separation between headwall and apron, 1- to 2-inch gap. The UCIP inspection was completed with LMA representative, J. Caruso. (N. Cholewinski - GEI)
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: 2/23/2021

Photo 1 of 3 : UCIP_FA_2021_63824_92394.jpg



Crown Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	14.85	Rating **	M	Issue No.	1215 (cont)
LM End	14.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.123628 °	38.123628 °
				-121.169175 °	-121.169175 °
DWR ID	23781				

Photo 2 of 3 : UCIP_FA_2021_63824_92397.jpg



LS View: Headwall at LS toe.

LM Start	14.85	Rating **	M	Issue No.	1215 (cont)
LM End	14.85	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63824_92398.jpg



LS View: Headwall at LS toe.

LM Start	14.94	Rating **	C	Issue No.	153
LM End	14.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.124703 °	38.124861 °
				-121.168414 °	-121.168259 °
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

* 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
--	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	15.02	Rating **	C	Issue No.	126
LM End	15.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.125510 °	38.125510 °
				-121.167357 °	-121.167357 °
DWR ID	DWR_NA0017_08_s_2021_126				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	15.04	Rating **	C	Issue No.	138
LM End	15.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.125645 °	38.125714 °
				-121.167044 °	-121.166839 °
DWR ID	DWR_NA0017_08_s_2020_138				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	15.05	Rating **	U	Issue No.	136
LM End	15.05	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.125716 °	38.125716 °
				-121.166874 °	-121.166874 °
DWR ID	DWR_NA0017_08_s_2020_136				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0017_152_136_20210913_00016.jpg



View of rutting and depressions on surface road. Fall 2020

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

** Rating
A : Acceptable N : Not Inspected/Rated
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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	15.05	Rating **	M	Issue No.	1217	
LM End	15.05	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.125741 °	38.125741 °	
				-121.166840 °	-121.166840 °	
DWR ID	23782					
Comment Code						
Inspector Comment						
DS_ID:23782 FS_ID:63826 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/23/2021 Record was updated from No Action Needed to Non-Urgent No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. The UCIP inspection was completed with LMA representative, J. Caruso. (N. Cholewinski - GEI) 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: 2/23/2021						

LM Start	15.05	Rating **	M	Issue No.	1217 (cont)
LM End	15.05	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_63826_92358.jpg



Crown Overview

Photo 2 of 3 : UCIP_FA_2021_63826_92359.jpg



LS View

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	15.05	Rating **	M	Issue No.	1217 (cont)
LM End	15.05	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.125741 °	38.125741 °
				-121.166840 °	-121.166840 °
DWR ID	23782				

Photo 3 of 3 : UCIP_FA_2021_63826_92360.jpg



LS View: Headwall at LS toe.

LM Start	15.17	Rating **	C	Issue No.	156
LM End	15.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.126298 °	38.126370 °
				-121.164820 °	-121.164459 °
DWR ID	DWR_NA0017_08_s_2019_156				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	15.62	Rating **	M	Issue No.	1225
LM End	15.62	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.129880 °	38.129880 °
				-121.158017 °	-121.158017 °
DWR ID	23784				
Comment Code					
Inspector Comment					
DS_ID:23784 FS_ID:63835 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/25/2021 Record changed from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. Observed slight damage to concrete on LS headwall toe, but no noticeable integrity issues. The UCIP inspection was completed with LMA representative, J. Caruso. (N. Cholewinski - GEI) 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: 2/25/2021					

Photo 1 of 3 : UCIP_FA_2021_63835_92186.jpg



Top of Levee

LM Start	15.62	Rating **	M	Issue No.	1225 (cont)
LM End	15.62	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_63835_92187.jpg



LS View

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	15.62	Rating **	M	Issue No.	1225 (cont)
LM End	15.62	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.129880 °	38.129880 °	
			-121.158017 °	-121.158017 °	
DWR ID	23784				

Photo 3 of 3 : UCIP_FA_2021_63835_92188.jpg



LS View: Headwall at LS toe.

LM Start	15.75	Rating **	M	Issue No.	1226
LM End	15.75	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.129962 °	38.129962 °	
			-121.155657 °	-121.155657 °	
DWR ID	23785				

Comment Code

Inspector Comment

DS_ID:23785
 FS_ID:63836
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 02/25/2021 Record changed from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. The UCIP inspection was completed with LMA representative, J. Caruso. (N. Cholewinski - GEI)
 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: 2/25/2021

Photo 1 of 3 : UCIP_FA_2021_63836_92179.jpg



Top of 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	15.75	Rating **	M	Issue No.	1226 (cont)
LM End	15.75	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.129962 °	38.129962 °
				-121.155657 °	-121.155657 °
DWR ID	23785				

Photo 2 of 3 : UCIP_FA_2021_63836_92180.jpg



LS View

LM Start	15.75	Rating **	M	Issue No.	1226 (cont)
LM End	15.75	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63836_92181.jpg



LS View: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	15.82	Rating **	U	Issue No.	1227
LM End	15.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.130425 °	38.130425 °
				-121.154574 °	-121.154574 °
DWR ID	23786				
Comment Code					
Inspector Comment					
DS_ID:23786 FS_ID:63068 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 02/25/2021 Record was updated from No Action Needed to Urgent due to a corroded through pipe wall at the WS pipe outlet and leakage observed at the LS pipe inlet. DWR DMP has found integrity issues, LOF between 5 and 6. Crossing will be monitored until funding becomes available for removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. An additional 1-inch steel pipe oriented parallel to levee was observed approximately 1 foot adjacent to LS headwall at LS toe. The UCIP inspection was completed with LMA representative, J. Caruso. (N. Cholewinski - GEI) 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: 2/25/2021					

Photo 1 of 3 : UCIP_FA_2021_63068_92169.jpg



Top of Levee

LM Start	15.82	Rating **	U	Issue No.	1227 (cont)
LM End	15.82	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_63068_92170.jpg



LS View

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	15.82	Rating **	U	Issue No.	1227 (cont)
LM End	15.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.130425 °	38.130425 °
				-121.154574 °	-121.154574 °
DWR ID	23786				

Photo 3 of 3 : UCIP_FA_2021_63068_92171.jpg



Headwall at LS toe.

LM Start	15.83	Rating **	C	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 **	C	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					
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	15.88	Rating **	M	Issue No.	1228	
LM End	15.88	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.131106 °	38.131106 °	
				-121.153977 °	-121.153977 °	
DWR ID	23787					
Comment Code						
Inspector Comment						
DS_ID:23787 FS_ID:63837 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 02/25/2021 Record changed from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. DWR DMP has not found internal issues, LOF between 1 and 2. Recommend inspection in 5 years. The UCIP inspection was completed with LMA representative, J. Caruso. (N. Cholewinski - GEI) 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: 2/25/2021						

Photo 1 of 3 : UCIP_FA_2021_63837_92159.jpg



Crown Overview

LM Start	15.88	Rating **	M	Issue No.	1228 (cont)
LM End	15.88	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_63837_92161.jpg



LS View

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	10/12/2021 10/12/2021	Alberto De Leon

LM Start	15.88	Rating **	M	Issue No.	1228 (cont)
LM End	15.88	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.131106 °	38.131106 °
				-121.153977 °	-121.153977 °
DWR ID	23787				

Photo 3 of 3 : UCIP_FA_2021_63837_92162.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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.00	Rating **	A	Issue No.	22
LM End	1.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.093070 °	38.094043 °
				-121.176422 °	-121.150931 °
DWR ID	DWR_NA0017_09_f_2021_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0017_153_22_20211018_00053.jpg



Typical view of well maintained vegetation along the landside slope. Fall 2021

LM Start	0.00	Rating **	A	Issue No.	24
LM End	1.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.093070 °	38.094043 °
				-121.176422 °	-121.150931 °
DWR ID	DWR_NA0017_09_f_2021_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0017_153_24_20211018_00054.jpg



Typical view of well maintained vegetation along the waterside slope. Fall 2021

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

** Rating
A : Acceptable N : Not Inspected/Rated
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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.09	Rating **	M	Issue No.	25	
LM End	0.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.093870 °	38.093870 °	
				-121.175159 °	-121.175159 °	
DWR ID	23850					
Comment Code						
Inspector Comment						
DS_ID:23850 FS_ID:67121 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 04/27/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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: 4/27/2021						

LM Start	0.09	Rating **	M	Issue No.	25 (cont)
LM End	0.09	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67121_96876.jpg



Levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2021_67121_96877.jpg



LS view: Toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.09	Rating **	M	Issue No.	25 (cont)
LM End	0.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.093870 °	38.093870 °
				-121.175159 °	-121.175159 °
DWR ID	23850				

Photo 3 of 3 : UCIP_FA_2021_67121_96878.jpg



LS view: Slope and headwall from toe.

LM Start	0.20	Rating **	C	Issue No.	23
LM End	0.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.094295 °	38.094295 °
				-121.173200 °	-121.173200 °
DWR ID	DWR_NA0017_09_s_2020_23				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.47	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 N : Not Inspected/Rated
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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.51	Rating **	M	Issue No.	13
LM End	0.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.094774 °	38.094774 °
				-121.167524 °	-121.167524 °
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 **	M	Issue No.	28	
LM End	0.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.094855 °	38.094855 °	
				-121.166867 °	-121.166867 °	
DWR ID	23853					
Comment Code						
Inspector Comment						
DS_ID:23853 FS_ID:67123 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 04/27/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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: 4/27/2021						

Photo 1 of 3 : UCIP_FA_2021_67123_96893.jpg



Levee crown 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.55	Rating **	M	Issue No.	28 (cont)
LM End	0.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094855 °	38.094855 °
				-121.166867 °	-121.166867 °
DWR ID	23853				

Photo 2 of 3 : UCIP_FA_2021_67123_96894.jpg



LS view: Toe from crown.

LM Start	0.55	Rating **	M	Issue No.	28 (cont)
LM End	0.55	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67123_96895.jpg



LS view: Slope and headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.61	Rating **	A/W	Issue No.	29	
LM End	0.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.095005 °	38.095005 °	
				-121.165847 °	-121.165847 °	
DWR ID	23839					
Comment Code						
Inspector Comment						
DS_ID:23839 FS_ID:67124 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Internal Pipe Inspection Crossing Status: Found UCIP Comments: 04/27/2021 Pipe status is still No Action Needed. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next inspection in 5 years. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 06/19/2014 Suction hose and appurtenances appear to be abandoned. (W. Wylie - DWR UCIP) 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: 4/27/2021						

LM Start	0.61	Rating **	A/W	Issue No.	29 (cont)
LM End	0.61	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67124_96901.jpg



Levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2021_67124_96902.jpg



LS view: Headwall visible at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.61	Rating **	A/W	Issue No.	29 (cont)	
LM End	0.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.095005 °		38.095005 °
				-121.165847 °		-121.165847 °
DWR ID	23839					

Photo 3 of 3 : UCIP_FA_2021_67124_96903.jpg



LS view: Slope and headwall at toe.

LM Start	0.85	Rating **	M	Issue No.	30
LM End	0.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094220 °	38.094220 °
				-121.161651 °	-121.161651 °
DWR ID	23840				

Comment Code

Inspector Comment

DS_ID:23840
FS_ID:67125
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Limited Inspection/No UCIP Evaluation
Crossing Status: Found
UCIP Comments: 04/27/2021 The record has been upgraded from No Action Needed to Non-Urgent. Did not inspect LS headwall due to steep slope and slippery rubble. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI)
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: 4/27/2021

Photo 1 of 3 : UCIP_FA_2021_67125_96906.jpg



Levee crown 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.85	Rating **	M	Issue No.	30 (cont)
LM End	0.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094220 °	38.094220 °
				-121.161651 °	-121.161651 °
DWR ID	23840				

Photo 2 of 3 : UCIP_FA_2021_67125_96907.jpg



LS view: Headwall visible at toe from crown.

LM Start	0.85	Rating **	M	Issue No.	30 (cont)
LM End	0.85	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67125_96905.jpg



LS view: Slope and headwall from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.93	Rating **	M	Issue No.	32
LM End	0.93	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094247 °	38.094247 °
				-121.160271 °	-121.160271 °
DWR ID	23841				
Comment Code					
Inspector Comment					
DS_ID:23841 FS_ID:67126 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 04/27/2021 Pipe status is still Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 06/19/2014 Sediment buildup inside pipe. (W. Wylie -DWR UCIP) 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: 4/27/2021					

Photo 1 of 3 : UCIP_FA_2021_67126_96917.jpg



Levee crown looking downstream.

LM Start	0.93	Rating **	M	Issue No.	32 (cont)
LM End	0.93	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_67126_96919.jpg



LS view: Toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.93	Rating **	M	Issue No.	32 (cont)
LM End	0.93	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094247 °	38.094247 °
				-121.160271 °	-121.160271 °
DWR ID	23841				

Photo 3 of 3 : UCIP_FA_2021_67126_96920.jpg



LS view: Slope from toe.

LM Start	1.02	Rating **	U	Issue No.	34
LM End	1.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094287 °	38.094287 °
				-121.158599 °	-121.158599 °
DWR ID	23842				

Comment Code

Inspector Comment

DS_ID:23842
FS_ID:67127
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: Pipe Integrity
Crossing Status: Found
UCIP Comments: 04/27/2021 The record has been upgraded from No Action Needed to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI)
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: 4/27/2021

Photo 1 of 3 : UCIP_FA_2021_67127_96928.jpg



Levee crown 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
--	--	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.02	Rating **	U	Issue No.	34 (cont)
LM End	1.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094287 °	38.094287 °
				-121.158599 °	-121.158599 °
DWR ID	23842				

Photo 2 of 3 : UCIP_FA_2021_67127_96929.jpg



WS view: Close up of flapgate at toe.

LM Start	1.02	Rating **	U	Issue No.	34 (cont)
LM End	1.02	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67127_96930.jpg



LS view: Toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.08	Rating **	M	Issue No.	35
LM End	1.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094318 °	38.094318 °
				-121.157487 °	-121.157487 °
DWR ID	23843				
Comment Code					
Inspector Comment					
DS_ID:23843 FS_ID:67128 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 04/27/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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: 4/27/2021					

Photo 1 of 3 : UCIP_FA_2021_67128_96936.jpg



Levee crown looking downstream.

LM Start	1.08	Rating **	M	Issue No.	35 (cont)
LM End	1.08	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_67128_96937.jpg



LS view: Headwall visible at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.08	Rating **	M	Issue No.	35 (cont)
LM End	1.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094318 °	38.094318 °
				-121.157487 °	-121.157487 °
DWR ID	23843				

Photo 3 of 3 : UCIP_FA_2021_67128_96938.jpg



LS view: Slope and headwall at toe.

LM Start	1.16	Rating **	U	Issue No.	36	
LM End	1.16	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.094356 °		38.094356 °
				-121.155924 °		-121.155924 °
DWR ID	23844					

Photo 1 of 3 : UCIP_FA_2021_67129_96942.jpg



Levee crown looking downstream.

Comment Code					
Inspector Comment					
DS_ID:23844 FS_ID:67129 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 04/27/2021 The record has been upgraded from No Action Needed to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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: 4/27/2021					

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.16	Rating **	U	Issue No.	36 (cont)
LM End	1.16	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094356 °	38.094356 °
				-121.155924 °	-121.155924 °
DWR ID	23844				

Photo 2 of 3 : UCIP_FA_2021_67129_96944.jpg



LS view: Headwall visible at toe from crown.

LM Start	1.16	Rating **	U	Issue No.	36 (cont)
LM End	1.16	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67129_96945.jpg



LS view: Slope and headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.22	Rating **	M	Issue No.	37	
LM End	1.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.094423 °	38.094423 °	
				-121.154902 °	-121.154902 °	
DWR ID	23845					
Comment Code						
Inspector Comment						
DS_ID:23845 FS_ID:67130 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 04/27/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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: 4/27/2021						

LM Start	1.22	Rating **	M	Issue No.	37 (cont)
LM End	1.22	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67130_96949.jpg



Levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2021_67130_96950.jpg



LS view: Headwall visible at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.22	Rating **	M	Issue No.	37 (cont)
LM End	1.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094423 °	38.094423 °
				-121.154902 °	-121.154902 °
DWR ID	23845				

Photo 3 of 3 : UCIP_FA_2021_67130_96951.jpg



LS view: Slope and headwall at toe.

LM Start	1.44	Rating **	M	Issue No.	39
LM End	1.44	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094073 °	38.094073 °
				-121.150947 °	-121.150947 °
DWR ID	23847				

Comment Code

Inspector Comment

DS_ID:23847
 FS_ID:67331
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Limited Inspection/No UCIP Evaluation
 Crossing Status: Found
 UCIP Comments: 04/27/2021 Pipe status is still Non-Urgent. Barbed wire limiting closeup inspection of WS flapgate, but looked fine from afar. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI)

06/19/2014 Flapgate blocked by soil and possibly concrete on WS slope. (W. Wylie - DWR UCIP)
 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: 4/27/2021

Photo 1 of 3 : UCIP_FA_2021_67331_96963.jpg



Levee crown 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.44	Rating **	M	Issue No.	39 (cont)
LM End	1.44	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094073 °	38.094073 °
				-121.150947 °	-121.150947 °
DWR ID	23847				

Photo 2 of 3 : UCIP_FA_2021_67331_96966.jpg



LS view: Headwall visible at toe from crown.

LM Start	1.44	Rating **	M	Issue No.	39 (cont)
LM End	1.44	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67331_96961.jpg



LS view: Slope and headwall at 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.45	Rating **	M	Issue No.	40	
LM End	1.45	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.094093 °	38.094093 °	
				-121.150703 °	-121.150703 °	
DWR ID	23848					
Comment Code						
Inspector Comment						
DS_ID:23848 FS_ID:67133 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 04/27/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. WS pipe edges midly warped. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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: 4/27/2021						

LM Start	1.45	Rating **	M	Issue No.	40 (cont)
LM End	1.45	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67133_96969.jpg



Levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2021_67133_96970.jpg



LS view: Toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.45	Rating **	M	Issue No.	40 (cont)
LM End	1.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094093 °	38.094093 °
				-121.150703 °	-121.150703 °
DWR ID	23848				

Photo 3 of 3 : UCIP_FA_2021_67133_96971.jpg



LS view: Close up of pipe inlet at toe, minor warping on edges.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.03	Rating **	M	Issue No.	25
LM End	0.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094170 °	38.094170 °
				-121.175555 °	-121.175555 °
DWR ID	23859				
Comment Code					
Inspector Comment					
DS_ID:23859 FS_ID:66859 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 04/29/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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: 4/29/2021					

LM Start	0.03	Rating **	M	Issue No.	25 (cont)
LM End	0.03	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66859_97221.jpg



Levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2021_66859_97222.jpg



LS view: Slope and headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.03	Rating **	M	Issue No.	25 (cont)
LM End	0.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094170 °	38.094170 °
				-121.175555 °	-121.175555 °
DWR ID	23859				

Photo 3 of 3 : UCIP_FA_2021_66859_97223.jpg



LS view: Close up of pipe inlet at toe.

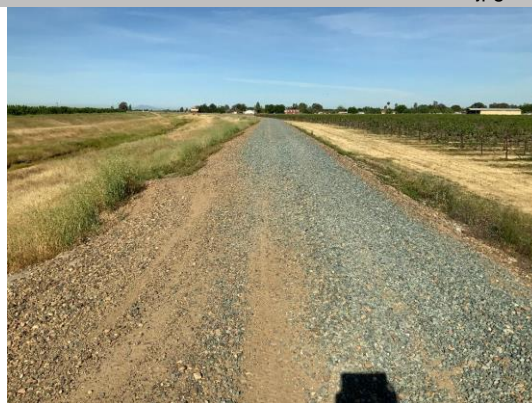
LM Start	0.24	Rating **	M	Issue No.	26
LM End	0.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094879 °	38.094879 °
				-121.171734 °	-121.171734 °
DWR ID	23860				

Comment Code

Inspector Comment

DS_ID:23860
FS_ID:66860
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 04/29/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI)
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: 4/29/2021

Photo 1 of 3 : UCIP_FA_2021_66860_97226.jpg



Levee crown 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
--	--	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.24	Rating **	M	Issue No.	26 (cont)
LM End	0.24	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.094879 °	38.094879 °	
			-121.171734 °	-121.171734 °	
DWR ID	23860				

Photo 2 of 3 : UCIP_FA_2021_66860_97227.jpg



LS view: Headwall visible at toe from crown.

LM Start	0.24	Rating **	M	Issue No.	26 (cont)
LM End	0.24	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66860_97228.jpg



LS view: Slope and headwall at toe.

LM Start	0.34	Rating **	M	Issue No.	12
LM End	0.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.095120 °	38.095120 °
				-121.169806 °	-121.169806 °
DWR ID	DWR_NA0017_10_f_2021_12				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Landside slope has ruts caused by motorcycles accessing levee road.					

Photo 1 of 1 : FA_2021_NA0017_154_12_20211018_00035.jpg



View of motorcycle ruts on the landside slope. Fall 2021

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.36	Rating **	M	Issue No.	27
LM End	0.36	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.095035 °	38.095035 °
				-121.168334 °	-121.168334 °
DWR ID	23861				
Comment Code					
Inspector Comment					
DS_ID:23861 FS_ID:66861 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 04/29/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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: 4/29/2021					

Photo 1 of 3 : UCIP_FA_2021_66861_97235.jpg



Levee crown looking downstream.

LM Start	0.36	Rating **	M	Issue No.	27 (cont)
LM End	0.36	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66861_97236.jpg



LS view: Headwall visible at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.36	Rating **	M	Issue No.	27 (cont)
LM End	0.36	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.095035 °	38.095035 °
				-121.168334 °	-121.168334 °
DWR ID	23861				

Photo 3 of 3 : UCIP_FA_2021_66861_97237.jpg



LS view: Slope and headwall at toe.

LM Start	0.40	Rating **	C	Issue No.	14
LM End	0.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.095116 °	38.095154 °
				-121.167494 °	-121.167280 °
DWR ID	DWR_NA0017_10_f_2019_14				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.45	Rating **	M	Issue No.	29	
LM End	0.45	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.095271 °	38.095271 °	
				-121.166654 °	-121.166654 °	
DWR ID	23863					
Comment Code						
Inspector Comment						
DS_ID:23863 FS_ID:66862 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 04/29/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Something is peeling away inside the pipe inlet, possibly just the liner. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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: 4/29/2021						

LM Start	0.45	Rating **	M	Issue No.	29 (cont)
LM End	0.45	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66862_97247.jpg



Levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2021_66862_97248.jpg



WS view: Headwall visible at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.45	Rating **	M	Issue No.	29 (cont)
LM End	0.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.095271 °	38.095271 °
				-121.166654 °	-121.166654 °
DWR ID	23863				

Photo 3 of 3 : UCIP_FA_2021_66862_97249.jpg



WS view: Slope, headwall, and flapgate at 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

LM Start	0.55	Rating **	M	Issue No.	23
LM End	0.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.095047 °	38.095047 °
				-121.164881 °	-121.164881 °
DWR ID	DWR_NA0017_10_s_2020_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 M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.57	Rating **	M	Issue No.	30
LM End	0.57	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094837 °	38.094837 °
				-121.164562 °	-121.164562 °
DWR ID	23864				
Comment Code					
Inspector Comment					
DS_ID:23864 FS_ID:66863 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 04/29/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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: 4/29/2021					

LM Start	0.57	Rating **	M	Issue No.	30 (cont)
LM End	0.57	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66863_97258.jpg



Levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2021_66863_97259.jpg



LS view: Headwall visible at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.57	Rating **	M	Issue No.	30 (cont)
LM End	0.57	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.094837 °	38.094837 °	
			-121.164562 °	-121.164562 °	
DWR ID	23864				

Photo 3 of 3 : UCIP_FA_2021_66863_97260.jpg



LS view: Slope above headwall from 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					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0017_154_15_20211018_00037.jpg



View of untrimmed tree along the landside slope. Fall 2021

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

**** Rating**
A : Acceptable N : Not Inspected/Rated
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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.86	Rating **	M	Issue No.	31	
LM End	0.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.094639 °	38.094639 °	
				-121.159426 °	-121.159426 °	
DWR ID	23865					
Comment Code						
Inspector Comment						
DS_ID:23865 FS_ID:66864 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 04/29/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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: 4/29/2021						

LM Start	0.86	Rating **	M	Issue No.	31 (cont)
LM End	0.86	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66864_97264.jpg



Levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2021_66864_97265.jpg



LS view: Headwall visible at toe from crown.

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.86	Rating **	M	Issue No.	31 (cont)
LM End	0.86	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094639 °	38.094639 °
				-121.159426 °	-121.159426 °
DWR ID	23865				

Photo 3 of 3 : UCIP_FA_2021_66864_97266.jpg



LS view: Slope and headwall at toe.

LM Start	1.08	Rating **	M	Issue No.	32
LM End	1.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094699 °	38.094699 °
				-121.155329 °	-121.155329 °
DWR ID	23866				

Comment Code

Inspector Comment

DS_ID:23866
 FS_ID:66865
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 04/29/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI)
 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: 4/29/2021

Photo 1 of 3 : UCIP_FA_2021_66865_97270.jpg



Levee crown 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.08	Rating **	M	Issue No.	32 (cont)
LM End	1.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094699 °	38.094699 °
				-121.155329 °	-121.155329 °
DWR ID	23866				

Photo 2 of 3 : UCIP_FA_2021_66865_97271.jpg



LS view: Headwall visible at toe from crown.

LM Start	1.08	Rating **	M	Issue No.	32 (cont)
LM End	1.08	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66865_97272.jpg



LS view: Slope and headwall at toe.

LM Start	1.32	Rating **	C	Issue No.	24
LM End	1.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			38.094349 °	38.094349 °
				-121.151026 °	-121.151026 °
DWR ID	DWR_NA0017_10_s_2021_24				
Comment Code					
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.32	Rating **	M	Issue No.	33	
LM End	1.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.094351 °	38.094351 °	
				-121.150962 °	-121.150962 °	
DWR ID	23867					
Comment Code						
Inspector Comment						
DS_ID:23867 FS_ID:66866 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 04/29/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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: 4/29/2021						

LM Start	1.32	Rating **	M	Issue No.	33 (cont)
LM End	1.32	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66866_97278.jpg



Levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2021_66866_97279.jpg



LS view: Headwall visible at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.32	Rating **	M	Issue No.	33 (cont)
LM End	1.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094351 °	38.094351 °
				-121.150962 °	-121.150962 °
DWR ID	23867				

Photo 3 of 3 : UCIP_FA_2021_66866_97280.jpg



LS view: Slope and headwall at toe.

LM Start	1.34	Rating **	U	Issue No.	34
LM End	1.34	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094311 °	38.094311 °
				-121.150715 °	-121.150715 °
DWR ID	23868				

Comment Code

Inspector Comment

DS_ID:23868
 FS_ID:66867
 EP_NO: N/A
 Repair Type: Urgent
 EVAL Issue: Pipe Integrity
 Crossing Status: Found
 UCIP Comments: 04/29/2021 Record has been upgraded from No Action Needed to Urgent. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn ? GEI)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: 4/29/2021

Photo 1 of 3 : UCIP_FA_2021_66867_97285.jpg



Levee crown 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.34	Rating **	U	Issue No.	34 (cont)
LM End	1.34	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.094311 °	38.094311 °
				-121.150715 °	-121.150715 °
DWR ID	23868				

Photo 2 of 3 : UCIP_FA_2021_66867_97286.jpg



LS view: Slope from crown.

LM Start	1.34	Rating **	U	Issue No.	34 (cont)
LM End	1.34	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66867_97287.jpg



LS view: Slope and pipe inlet at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.16	Rating **	M	Issue No.	207	
LM End	0.16	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.097164 °	38.097164 °	
				-121.169289 °	-121.169289 °	
DWR ID	23880					
Comment Code						
Inspector Comment						
DS_ID:23880 FS_ID:59640 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 07/03/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. (A. McDonald - DWR UCIP) 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: 7/3/2020						

LM Start	0.16	Rating **	M	Issue No.	207 (cont)
LM End	0.16	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_59640_86887.jpg



Overview of levee crown looking d/s.

Photo 2 of 3 : UCIP_FA_2021_59640_86888.jpg



Pipe inlet and headwall at LS 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
--	---	---

San Joaquin County Flood Control and Water Conservation District

DS_ID:23881
FS_ID:59641
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 07/03/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. (A. McDonald - DWR UCIP) Slide gate 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: 7/3/2020

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	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	DWR UCIP LMA Responsibility			38.101560 °	38.101560 °
				-121.168634 °	-121.168634 °
DWR ID	23881				

Photo 2 of 3 : UCIP_FA_2021_59641_86894.jpg



Pipe inlet at the LS levee toe. No headwall.

LM Start	0.47	Rating **	M	Issue No.	208 (cont)
LM End	0.47	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_59641_86895.jpg



Riser and slide gate at the WS 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.50	Rating **	M	Issue No.	209	
LM End	0.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.101930 °	38.101930 °	
				-121.168424 °	-121.168424 °	
DWR ID	23882					
Comment Code						
Inspector Comment						
DS_ID:23882 FS_ID:59642 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 07/03/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. Video inspection performed on 02/21/2020. (A. McDonald - DWR UCIP) 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: 7/3/2020						

LM Start	0.50	Rating **	M	Issue No.	209 (cont)
LM End	0.50	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_59642_86906.jpg



Overview of levee crown looking d/s.

Photo 2 of 3 : UCIP_FA_2021_59642_86907.jpg



Pipe inlet and headwall at the LS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.50	Rating **	M	Issue No.	209 (cont)
LM End	0.50	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.101930 °	38.101930 °	
			-121.168424 °	-121.168424 °	
DWR ID	23882				

Photo 3 of 3 : UCIP_FA_2021_59642_86908.jpg



Pipe inlet and headwall at the LS levee toe.

LM Start	0.56	Rating **	M	Issue No.	210
LM End	0.56	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.102509 °	38.102509 °	
			-121.167694 °	-121.167694 °	
DWR ID	23883				

Comment Code

Inspector Comment

DS_ID:23883
 FS_ID:59643
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 07/03/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. Video inspection performed on 02-21-2020. (A. McDonald - DWR UCIP) 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: 7/3/2020

Photo 1 of 3 : UCIP_FA_2021_59643_86911.jpg



Overview of levee crown looking d/s.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	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	DWR UCIP LMA Responsibility			38.102509 °	38.102509 °
				-121.167694 °	-121.167694 °
DWR ID	23883				

Photo 2 of 3 : UCIP_FA_2021_59643_86912.jpg



Pipe inlet and headwall at the LS levee toe.

LM Start	0.56	Rating **	M	Issue No.	210 (cont)
LM End	0.56	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_59643_86913.jpg



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

LM Start	0.96	Rating **	M	Issue No.	34
LM End	1.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.107630 °	38.108534 °
				-121.166282 °	-121.166263 °
DWR ID	DWR_NA0017_11_f_2021_34				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.06	Rating **	M	Issue No.	212	
LM End	1.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.109117 °	38.109117 °	
				-121.165940 °	-121.165940 °	
DWR ID	23885					
Comment Code						
Inspector Comment						
DS_ID:23885 FS_ID:59645 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 07/03/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. Video inspection performed on 04-24-2020. (A. McDonald - DWR UCIP) 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: 7/3/2020						

LM Start	1.06	Rating **	M	Issue No.	212 (cont)
LM End	1.06	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_59645_86934.jpg



Overview of levee crown looking d/s.

Photo 2 of 3 : UCIP_FA_2021_59645_86930.jpg



View of pipe inlet, headwall, and slide gate at the LS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.06	Rating **	M	Issue No.	212 (cont)
LM End	1.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.109117 °	38.109117 °
				-121.165940 °	-121.165940 °
DWR ID	23885				

Photo 3 of 3 : UCIP_FA_2021_59645_86931.jpg



Pipe inlet, headwall, and slide gate at the LS levee toe.

LM Start	1.14	Rating **	M	Issue No.	213
LM End	1.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.109641 °	38.109641 °
				-121.164676 °	-121.164676 °
DWR ID	23870				

Comment Code

Inspector Comment

DS_ID:23870
 FS_ID:59646
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 07/03/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. (A. McDonald - DWR UCIP)
 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: 7/3/2020

Photo 1 of 3 : UCIP_FA_2021_59646_86936.jpg



Overview of levee crown looking d/s.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.14	Rating **	M	Issue No.	213 (cont)
LM End	1.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.109641 °	38.109641 °
				-121.164676 °	-121.164676 °
DWR ID	23870				

Photo 2 of 3 : UCIP_FA_2021_59646_86937.jpg



Pipe inlet, headwall, and slide gate at the LS levee toe.

LM Start	1.14	Rating **	M	Issue No.	213 (cont)
LM End	1.14	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_59646_86938.jpg



View of WS channel looking from the levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	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	DWR UCIP LMA Responsibility			38.111824 °	38.111824 °	
				-121.160037 °	-121.160037 °	
DWR ID	23871					
Comment Code						
Inspector Comment						
DS_ID:23871 FS_ID:59647 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 07/03/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. (A. McDonald - DWR UCIP) Slide gate 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: 7/3/2020						

Photo 1 of 3 : UCIP_FA_2021_59647_86960.jpg



Overview of levee crown looking d/s.

LM Start	1.50	Rating **	M	Issue No.	214 (cont)
LM End	1.50	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_59647_86961.jpg



Two pipe inlets and headwall at the LS 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	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	DWR UCIP LMA Responsibility			38.111830 °	38.111830 °
				-121.160019 °	-121.160019 °
DWR ID	23897				

Photo 2 of 3 : UCIP_FA_2021_59648_86966.jpg



Two pipe inlets and headwall at the LS levee 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_2021_59648_86967.jpg



Two risers and slide gates on the WS levee slope.

LM Start	1.59	Rating **	C	Issue No.	42
LM End	1.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.112590 °	38.112702 °
				-121.158855 °	-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					

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
--	--	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.81	Rating **	M	Issue No.	216
LM End	1.81	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.114551 °	38.114551 °
				-121.156224 °	-121.156224 °
DWR ID	23872				
Comment Code					
Inspector Comment					
DS_ID:23872					
FS_ID:59649					
EP_NO: N/A					
Repair Type: Non-Urgent					
EVAL Issue: Unauthorized Encroachment, installed decades prior					
Crossing Status: Found					
UCIP Comments: 07/03/2020 Crossing evaluated as "Non-Urgent"					
because there was no permit found authorizing this pipe. (A.					
McDonald - DWR UCIP)					
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: 7/3/2020					

Photo 1 of 3 : UCIP_FA_2021_59649_86978.jpg



Overview of levee crown looking d/s.

LM Start	1.81	Rating **	M	Issue No.	216 (cont)
LM End	1.81	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_59649_86979.jpg



Pipe inlet and headwall located at the LS 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	2.04	Rating **	M	Issue No.	218 (cont)
LM End	2.04	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.117176 °	38.117176 °	
			-121.154019 °	-121.154019 °	
DWR ID	23874				

Photo 2 of 3 : UCIP_FA_2021_59651_86989.jpg



Inlet pipe and headwall located at the LS levee toe.

LM Start	2.04	Rating **	M	Issue No.	218 (cont)
LM End	2.04	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_59651_86990.jpg



Outlet pipe, flap gate, and headwall located at the WS 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	2.12	Rating **	M	Issue No.	219	
LM End	2.12	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.117580 °		38.117580 °
				-121.152490 °		-121.152490 °
DWR ID	23875					
Comment Code						
Inspector Comment						
DS_ID:23875 FS_ID:59652 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 07/03/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. Video inspection performed on 04-22-2020. (A. McDonald - DWR UCIP) 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: 7/3/2020						

LM Start	2.12	Rating **	M	Issue No.	219 (cont)
LM End	2.12	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_59652_86991.jpg



Overview of levee crown looking d/s.

Photo 2 of 3 : UCIP_FA_2021_59652_86992.jpg



View of pipe inlet at the LS 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	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	DWR UCIP LMA Responsibility			38.117920 °	38.117920 °
				-121.151120 °	-121.151120 °
DWR ID	23876				

Photo 2 of 3 : UCIP_FA_2021_59653_86997.jpg



View of channel on WS and opposite levee.

LM Start	2.20	Rating **	M	Issue No.	220 (cont)
LM End	2.20	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_59653_86998.jpg



View of LS and pipe inlet.

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	2.22	Rating **	M	Issue No.	223	
LM End	2.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.118083 °	38.118083 °	
				-121.150782 °	-121.150782 °	
DWR ID	23878					
Comment Code						
Inspector Comment						
DS_ID:23878 FS_ID:59656 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 07/03/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. (A. McDonald - DWR UCIP) 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: 7/3/2020						

LM Start	2.22	Rating **	M	Issue No.	223 (cont)
LM End	2.22	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_59656_87021.jpg



View of pipe inlet and headwall located at the LS levee toe.

Photo 2 of 3 : UCIP_FA_2021_59656_87022.jpg



View of pipe outlet, WS channel, and opposite levee looking from the levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	2.22	Rating **	M	Issue No.	223 (cont)
LM End	2.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.118083 °	38.118083 °
				-121.150782 °	-121.150782 °
DWR ID	23878				

Photo 3 of 3 : UCIP_FA_2021_59656_87023.jpg



View of pipe outlet, flap gate, and headwall located at the WS levee toe.

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					
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	2.43	Rating **	M	Issue No.	225
LM End	2.43	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.119587 °	38.119587 °
				-121.147961 °	-121.147961 °
DWR ID	23886				
Comment Code					
Inspector Comment					
DS_ID:23886 FS_ID:59658 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 07/03/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. (A. McDonald - DWR UCIP) 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: 7/3/2020					

LM Start	2.43	Rating **	M	Issue No.	225 (cont)
LM End	2.43	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_59658_87027.jpg



Overview of levee crown looking d/s.

Photo 2 of 3 : UCIP_FA_2021_59658_87028.jpg



View of pipe inlet and headwall located at the LS 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	2.46	Rating **	M	Issue No.	226 (cont)
LM End	2.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.120062 °	38.120062 °
				-121.147791 °	-121.147791 °
DWR ID	23887				

Photo 2 of 3 : UCIP_FA_2021_59659_87031.jpg



View of pipe inlet and headwall located at the LS levee toe.

LM Start	2.46	Rating **	M	Issue No.	226 (cont)
LM End	2.46	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_59659_87032.jpg



View of pipe outlet and channel located on the 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	2.57	Rating **	M	Issue No.	227
LM End	2.57	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.121460 °	38.121460 °
				-121.147020 °	-121.147020 °
DWR ID	23888				
Comment Code					
Inspector Comment					
DS_ID:23888 FS_ID:59660 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 07/03/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. Video inspection performed on 04-22-2020. (A. McDonald - DWR UCIP) 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: 7/3/2020					

LM Start	2.57	Rating **	M	Issue No.	227 (cont)
LM End	2.57	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_59660_87034.jpg



Overview of levee crown looking d/s.

Photo 2 of 3 : UCIP_FA_2021_59660_87035.jpg



View of pipe inlet and headwall located at the LS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	2.71	Rating **	A/W	Issue No.	229 (cont)
LM End	2.71	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.122345 °	38.122345 °
				-121.144949 °	-121.144949 °
DWR ID	23890				

Photo 2 of 3 : UCIP_FA_2021_59670_87046.jpg



View of pipe inlet and headwall located at the LS levee toe.

LM Start	2.71	Rating **	A/W	Issue No.	229 (cont)
LM End	2.71	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_59670_87047.jpg



View of pipe outlet, flap gate, headwall, and splash apron located at the WS levee toe.

LM Start	2.83	Rating **	C	Issue No.	52
LM End	2.83	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.124076 °	38.124076 °
				-121.144467 °	-121.144467 °
DWR ID	DWR_NA0017_11_s_2021_52				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	2.86	Rating **	M	Issue No.	230
LM End	2.86	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.124516 °	38.124516 °
				-121.144331 °	-121.144331 °
DWR ID	23891				
Comment Code					
Inspector Comment					
DS_ID:23891 FS_ID:59663 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 07/03/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. Video inspection performed on 04-22-2020. (A. McDonald - DWR UCIP) 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: 7/3/2020					

Photo 1 of 3 : UCIP_FA_2021_59663_87048.jpg



Overview of levee crown looking d/s.

LM Start	2.86	Rating **	M	Issue No.	230 (cont)
LM End	2.86	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_59663_87049.jpg



View of pipe inlet and headwall located at the LS 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	2.86	Rating **	M	Issue No.	230 (cont)
LM End	2.86	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.124516 °	38.124516 °	
			-121.144331 °	-121.144331 °	
DWR ID	23891				

Photo 3 of 3 : UCIP_FA_2021_59663_87050.jpg



View of pipe outlet, flap gate, and headwall located at the WS levee toe.

LM Start	3.02	Rating **	M	Issue No.	231
LM End	3.02	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.126690 °	38.126690 °	
			-121.144040 °	-121.144040 °	
DWR ID	23892				

Comment Code

Inspector Comment

DS_ID:23892
 FS_ID:59665
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Abandoned encroachment
 Crossing Status: Found
 UCIP Comments: 07/03/2020 Crossing evaluated as "Non-Urgent" because this is an abandoned encroachment. Video inspection performed on 02-21-2020. (A. McDonald - DWR UCIP) 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: 7/3/2020

Photo 1 of 3 : UCIP_FA_2021_59665_87054.jpg



Overview of levee crown looking d/s.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	3.02	Rating **	M	Issue No.	231 (cont)
LM End	3.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.126690 °	38.126690 °
				-121.144040 °	-121.144040 °
DWR ID	23892				

Photo 2 of 3 : UCIP_FA_2021_59665_87055.jpg



View of pipe inlet and headwall located at the LS levee toe.

LM Start	3.02	Rating **	M	Issue No.	231 (cont)
LM End	3.02	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_59665_87056.jpg



View of pipe outlet and WS 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	3.13	Rating **	M	Issue No.	232	
LM End	3.13	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.127210 °	38.127210 °	
				-121.142099 °	-121.142099 °	
DWR ID	23893					
Comment Code						
Inspector Comment						
DS_ID:23893						
FS_ID:59666						
EP_NO: N/A						
Repair Type: Non-Urgent						
EVAL Issue: Unauthorized Encroachment, installed decades prior						
Crossing Status: Found						
UCIP Comments: 07/03/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. (A. McDonald - DWR UCIP)						
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: 7/3/2020						

LM Start	3.13	Rating **	M	Issue No.	232 (cont)
LM End	3.13	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_59666_87058.jpg



Overview of levee crown looking d/s.

Photo 2 of 3 : UCIP_FA_2021_59666_87059.jpg



View of pipe inlet and headwall located at the LS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	3.13	Rating **	M	Issue No.	232 (cont)
LM End	3.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.127210 °	38.127210 °
				-121.142099 °	-121.142099 °
DWR ID	23893				

Photo 3 of 3 : UCIP_FA_2021_59666_87060.jpg



View of pipe outlet, flap gate, and headwall located at the WS levee toe.

LM Start	3.27	Rating **	C	Issue No.	53
LM End	3.27	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.128439 °	38.128439 °
				-121.140084 °	-121.140084 °
DWR ID	DWR_NA0017_11_s_2021_53				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	3.45	Rating **	M	Issue No.	234	
LM End	3.45	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.130683 °	38.130683 °	
				-121.139092 °	-121.139092 °	
DWR ID	23895					
Comment Code						
Inspector Comment						
DS_ID:23895 FS_ID:59668 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 07/03/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. (A. McDonald - DWR UCIP) 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: 7/3/2020						

LM Start	3.45	Rating **	M	Issue No.	234 (cont)
LM End	3.45	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_59668_87065.jpg



Overview of levee crown looking d/s.

Photo 2 of 3 : UCIP_FA_2021_59668_87066.jpg



View of pipe inlet and headwall located at the LS 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	3.53	Rating **	M	Issue No.	235 (cont)
LM End	3.53	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.131754 °	38.131754 °
				-121.138824 °	-121.138824 °
DWR ID	23896				

Photo 2 of 3 : UCIP_FA_2021_59669_87069.jpg



View of pipe inlet and headwall located at the LS levee toe.

LM Start	3.53	Rating **	M	Issue No.	235 (cont)
LM End	3.53	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_59669_87070.jpg



Drainage pipe under driveway leading to the inlet at the LS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.06	Rating **	A/W	Issue No.	40
LM End	0.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.095909 °	38.101703 °
				-121.168743 °	-121.167955 °
DWR ID	DWR_NA0017_12_s_2021_40				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Landowners are using the waterside berm as a horse path.					

Photo 1 of 1 : FA_2021_NA0017_156_40_20210913_00006.jpg



View horse trail within the waterside berm. Spring 2021

LM Start	0.14	Rating **	M	Issue No.	54
LM End	0.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.097104 °	38.097104 °
				-121.168757 °	-121.168757 °
DWR ID	23925				
Comment Code					
Inspector Comment					
DS_ID:23925 FS_ID:59601 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 07/07/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. Video inspection performed on 05-07-2020. (A. McDonald - DWR UCIP)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: 7/7/2020					

Photo 1 of 3 : UCIP_FA_2021_59601_87072.jpg



Overview of levee crown looking d/s.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.14	Rating **	M	Issue No.	54 (cont)
LM End	0.14	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.097104 °	38.097104 °	
			-121.168757 °	-121.168757 °	
DWR ID	23925				

Photo 2 of 3 : UCIP_FA_2021_59601_87073.jpg



Two risers with gate valves located on the WS levee slope.

LM Start	0.14	Rating **	M	Issue No.	54 (cont)
LM End	0.14	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_59601_87074.jpg



Two pipe outlets, flap gates, and headwall located on the WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.15	Rating **	M	Issue No.	55	
LM End	0.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.097126 °	38.097126 °	
				-121.168760 °	-121.168760 °	
DWR ID	23930					
Comment Code						
Inspector Comment						
DS_ID:23930						
FS_ID:59602						
EP_NO: N/A						
Repair Type: Non-Urgent						
EVAL Issue: Unauthorized Encroachment, installed decades prior						
Crossing Status: Found						
UCIP Comments: 07/07/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. (A. McDonald - DWR UCIP)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: 7/7/2020						

Photo 1 of 3 : UCIP_FA_2021_59602_87076.jpg



Overview of levee crown looking d/s.

LM Start	0.15	Rating **	M	Issue No.	55 (cont)
LM End	0.15	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_59602_87077.jpg



Two risers and gate valves located on the WS 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.15	Rating **	M	Issue No.	55 (cont)
LM End	0.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.097126 °	38.097126 °
				-121.168760 °	-121.168760 °
DWR ID	23930				

Photo 3 of 3 : UCIP_FA_2021_59602_87078.jpg



Two pipe outlets, flap gates, and headwall located on the WS berm.

LM Start	0.40	Rating **	M	Issue No.	56
LM End	0.40	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.100813 °	38.100813 °
				-121.168455 °	-121.168455 °
DWR ID	23900				

Comment Code

Inspector Comment

DS_ID:23900
 FS_ID:59603
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 07/07/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. (A. McDonald - DWR UCIP)
 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: 7/7/2020

Photo 1 of 3 : UCIP_FA_2021_59603_87080.jpg



Overview of levee crown looking d/s.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.40	Rating **	M	Issue No.	56 (cont)
LM End	0.40	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.100813 °	38.100813 °
				-121.168455 °	-121.168455 °
DWR ID	23900				

Photo 2 of 3 : UCIP_FA_2021_59603_87081.jpg



View of pipe outlet, flap gate, and headwall located on the WS berm.

LM Start	0.40	Rating **	M	Issue No.	56 (cont)
LM End	0.40	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_59603_87082.jpg



View of pipe inlet and headwall located at the LS levee toe.

LM Start	0.43	Rating **	M	Issue No.	47
LM End	0.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.101177 °	38.101177 °
				-121.168248 °	-121.168248 °
DWR ID	DWR_NA0017_12_s_2021_47				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.48	Rating **	M	Issue No.	57	
LM End	0.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.101868 °	38.101868 °	
				-121.167847 °	-121.167847 °	
DWR ID	23901					
Comment Code						
Inspector Comment						
DS_ID:23901 FS_ID:59605 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 07/07/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. (A. McDonald - DWR UCIP) 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: 7/7/2020						

LM Start	0.48	Rating **	M	Issue No.	57 (cont)
LM End	0.48	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_59605_87089.jpg



Overview of levee crown looking d/s.

Photo 2 of 3 : UCIP_FA_2021_59605_87090.jpg



View of pipe outlet, flap gate, and headwall located at the WS 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.48	Rating **	M	Issue No.	57 (cont)
LM End	0.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.101868 °	38.101868 °
				-121.167847 °	-121.167847 °
DWR ID	23901				

Photo 3 of 3 : UCIP_FA_2021_59605_87091.jpg



View of pipe inlet and headwall located at the LS levee toe.

LM Start	0.61	Rating **	M	Issue No.	58
LM End	0.61	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.102847 °	38.102847 °
				-121.165924 °	-121.165924 °
DWR ID	23902				

Comment Code

Inspector Comment

DS_ID:23902
 FS_ID:59606
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 07/07/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. (A. McDonald - DWR UCIP)
 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: 7/7/2020

Photo 1 of 3 : UCIP_FA_2021_59606_87092.jpg



Overview of levee crown looking d/s.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.61	Rating **	M	Issue No.	58 (cont)
LM End	0.61	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.102847 °	38.102847 °
				-121.165924 °	-121.165924 °
DWR ID	23902				

Photo 2 of 3 : UCIP_FA_2021_59606_87093.jpg



View of pipe outlet, flap gate, and headwall located at the WS levee toe.

LM Start	0.61	Rating **	M	Issue No.	58 (cont)
LM End	0.61	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_59606_87094.jpg



View of pipe inlet and headwall located at the LS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.77	Rating **	M	Issue No.	59	
LM End	0.77	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.105162 °	38.105162 °	
				-121.165764 °	-121.165764 °	
DWR ID	23903					
Comment Code						
Inspector Comment						
DS_ID:23903 FS_ID:59607 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 07/07/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. Video inspection performed on 04-24-2020. (A. McDonald - DWR UCIP) 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: 7/7/2020						

LM Start	0.77	Rating **	M	Issue No.	59 (cont)
LM End	0.77	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_59607_87095.jpg



Overview of levee crown looking d/s.

Photo 2 of 3 : UCIP_FA_2021_59607_87096.jpg



View of pipe outlet, flap gate, headwall, and splash apron located on the WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.77	Rating **	M	Issue No.	59 (cont)
LM End	0.77	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.105162 °	38.105162 °
				-121.165764 °	-121.165764 °
DWR ID	23903				

Photo 3 of 3 : UCIP_FA_2021_59607_87097.jpg



View of pipe inlet and headwall located at the LS levee toe.

LM Start	0.83	Rating **	M	Issue No.	51
LM End	0.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.105998 °	38.105998 °
				-121.165757 °	-121.165757 °
DWR ID	DWR_NA0017_12_s_2020_51				
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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.52	Rating **	M	Issue No.	60	
LM End	1.52	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.111918 °	38.111918 °	
				-121.158694 °	-121.158694 °	
DWR ID	23904					
Comment Code						
Inspector Comment						
DS_ID:23904 FS_ID:59608 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 07/07/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. (A. McDonald - DWR UCIP) 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: 7/7/2020						

LM Start	1.52	Rating **	M	Issue No.	60 (cont)
LM End	1.52	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_59608_87098.jpg



Overview of levee crown looking d/s.

Photo 2 of 3 : UCIP_FA_2021_59608_87099.jpg



View of pipe inlet and headwall located at the LS 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
--	--	---	---

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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.96	Rating **	M	Issue No.	62
LM End	1.96	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.116650 °	38.116650 °
				-121.154118 °	-121.154118 °
DWR ID	23906				
Comment Code					
Inspector Comment					
DS_ID:23906 FS_ID:59610 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 07/07/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. Pipe no longer buried and not abandoned. Video inspection performed on 04-22-2020. (A. McDonald - DWR UCIP)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: 7/7/2020					

Photo 1 of 3 : UCIP_FA_2021_59610_87104.jpg



Overview of levee crown looking d/s.

LM Start	1.96	Rating **	M	Issue No.	62 (cont)
LM End	1.96	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_59610_87105.jpg



View of pipe inlet and headwall located at the LS 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	2.15	Rating **	M	Issue No.	64 (cont)
LM End	2.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.117702 °	38.117702 °
				-121.151033 °	-121.151033 °
DWR ID	23908				

Photo 2 of 3 : UCIP_FA_2021_59613_87121.jpg



View of pipe inlet and headwall located at the LS levee toe.

LM Start	2.15	Rating **	M	Issue No.	64 (cont)
LM End	2.15	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_59613_87122.jpg



View of pipe outlet, flap gate, and headwall located at the WS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	2.16	Rating **	M	Issue No.	67	
LM End	2.16	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.117713 °	38.117713 °	
				-121.150764 °	-121.150764 °	
DWR ID	23909					
Comment Code						
Inspector Comment						
DS_ID:23909 FS_ID:59617 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 07/07/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. (A. McDonald - DWR UCIP) 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: 7/7/2020						

LM Start	2.16	Rating **	M	Issue No.	67 (cont)
LM End	2.16	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_59617_87134.jpg



Overview of levee crown looking d/s.

Photo 2 of 3 : UCIP_FA_2021_59617_87135.jpg



View of pipe outlet, flap gate, and headwall located at the WS 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	2.16	Rating **	M	Issue No.	67 (cont)
LM End	2.16	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.117713 °	38.117713 °	
			-121.150764 °	-121.150764 °	
DWR ID	23909				

Photo 3 of 3 : UCIP_FA_2021_59617_87136.jpg



View of pipe inlet and headwall located at the LS levee toe.

LM Start	2.36	Rating **	M	Issue No.	69
LM End	2.36	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.118995 °	38.118995 °	
			-121.147840 °	-121.147840 °	
DWR ID	23911				

Comment Code

Inspector Comment

DS_ID:23911
 FS_ID:59624
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 07/07/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. (A. McDonald - DWR UCIP)
 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: 7/7/2020

Photo 1 of 3 : UCIP_FA_2021_59624_87162.jpg



Overview of levee crown looking d/s.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	2.36	Rating **	M	Issue No.	69 (cont)
LM End	2.36	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.118995 °	38.118995 °
				-121.147840 °	-121.147840 °
DWR ID	23911				

Photo 2 of 3 : UCIP_FA_2021_59624_87163.jpg



View of pipe outlet, flap gate, and headwall located at the WS levee toe.

LM Start	2.36	Rating **	M	Issue No.	69 (cont)
LM End	2.36	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_59624_87164.jpg



View of pipe inlet and headwall located at the LS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	2.61	Rating **	M	Issue No.	70	
LM End	2.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.121463 °	38.121463 °	
				-121.145437 °	-121.145437 °	
DWR ID	23913					
Comment Code						
Inspector Comment						
DS_ID:23913 FS_ID:59626 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 07/07/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. (A. McDonald - DWR UCIP)11/04/2016 Crossing has been downgraded from Urgent to Non-Urgent the silt buildup in front of the flap gate 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 flap gate 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, 1978. USACE San Joaquin O&M Manual Unit 612.2, 1967, (HLM 2.61)]. FS Date: 7/7/2020						

LM Start	2.61	Rating **	M	Issue No.	70 (cont)
LM End	2.61	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_59626_87169.jpg



Overview of levee crown looking d/s.

Photo 2 of 3 : UCIP_FA_2021_59626_87170.jpg



View of pipe outlet and spillway located at the WS 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	2.72	Rating **	M	Issue No.	74 (cont)
LM End	2.72	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.122733 °	38.122733 °	
			-121.144351 °	-121.144351 °	
DWR ID	23915				

Photo 2 of 3 : UCIP_FA_2021_59630_87212.jpg



View of pipe outlet, flap gate, and headwall located at the WS levee toe.

LM Start	2.72	Rating **	M	Issue No.	74 (cont)
LM End	2.72	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_59630_87213.jpg



View of pipe outlet, flap gate, and headwall located at the WS levee toe.

LM Start	2.92	Rating **	M	Issue No.	32
LM End	2.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.125622 °	38.125622 °
				-121.143888 °	-121.143888 °
DWR ID	DWR_NA0017_12_s_2021_32				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
This area is considered high ground, there is bank erosion near waterside hinge point, approximately 20 feet long, 12-18 inched deep and 3 feet wide. Spring 2021					

Photo 1 of 1 : FA_2021_NA0017_156_32_20210913_00003.jpg



View of erosion near the waterside hinge point. Spring 2021

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	2.94	Rating **	A/W	Issue No.	75	
LM End	2.94	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.125894 °	38.125894 °	
				-121.143970 °	-121.143970 °	
DWR ID	23916					
Comment Code						
Inspector Comment						
DS_ID:23916 FS_ID:59632 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Compliant Crossing Status: Found UCIP Comments: 07/03/2020 Crossing evaluated as "No Action Needed." Permit and inspection requirements have been met. (A. McDonald - DWR UCIP) 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: 7/3/2020						

Photo 1 of 3 : UCIP_FA_2021_59632_87220.jpg



Overview of levee crown looking d/s.

LM Start	2.94	Rating **	A/W	Issue No.	75 (cont)
LM End	2.94	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_59632_87222.jpg



Overview of the LS and pipe inlet location.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	2.94	Rating **	A/W	Issue No.	75 (cont)
LM End	2.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.125894 °	38.125894 °
				-121.143970 °	-121.143970 °
DWR ID	23916				

Photo 3 of 3 : UCIP_FA_2021_59632_87221.jpg



View of pipe outlet, flap gate, and splash apron located at the WS levee toe.

LM Start	3.09	Rating **	U	Issue No.	76
LM End	3.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.126939 °	38.126939 °
				-121.141925 °	-121.141925 °
DWR ID	23928				

Comment Code

Inspector Comment

DS_ID:23928
FS_ID:59674
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: Pipe Integrity
Crossing Status: Found
UCIP Comments: 07/03/2020 Crossing evaluated as "Urgent" because of a badly deteriorated drainage pipe that is also open on both ends. There was no permit found authorizing this pipe, either. (A. McDonald - DWR UCIP)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: 7/3/2020

Photo 1 of 3 : UCIP_FA_2021_59674_87230.jpg



Overview of levee crown looking d/s.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	3.09	Rating **	U	Issue No.	76 (cont)
LM End	3.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.126939 °	38.126939 °
				-121.141925 °	-121.141925 °
DWR ID	23928				

Photo 2 of 3 : UCIP_FA_2021_59674_87231.jpg



View of two drainage pipe outlets located at the WS levee toe.

LM Start	3.09	Rating **	U	Issue No.	76 (cont)
LM End	3.09	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_59674_87232.jpg



View of two drainage pipe outlets located at the WS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	3.09	Rating **	U	Issue No.	77	
LM End	3.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.126943 °	38.126943 °	
				-121.141916 °	-121.141916 °	
DWR ID	23926					
Comment Code						
Inspector Comment						
DS_ID:23926 FS_ID:59675 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 07/03/2020 Crossing evaluated as "Urgent" because of a badly deteriorated drainage pipe that is also open on both ends. There was no permit found authorizing this pipe, either. (A. McDonald - DWR UCIP)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 flap gate. 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: 7/3/2020						

Photo 1 of 3 : UCIP_FA_2021_59675_87241.jpg



Overview of levee crown looking d/s.

LM Start	3.09	Rating **	U	Issue No.	77 (cont)
LM End	3.09	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_59675_87242.jpg



View of two drainage pipe outlets located at the WS 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	3.09	Rating **	U	Issue No.	77 (cont)
LM End	3.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.126943 °	38.126943 °
				-121.141916 °	-121.141916 °
DWR ID	23926				

Photo 3 of 3 : UCIP_FA_2021_59675_87243.jpg



View of two drainage pipe outlets located at the WS levee toe.

LM Start	3.23	Rating **	U	Issue No.	78
LM End	3.23	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.128162 °	38.128162 °
				-121.139922 °	-121.139922 °
DWR ID	23917				

Comment Code

Inspector Comment

DS_ID:23917
 FS_ID:59676
 EP_NO: N/A
 Repair Type: Urgent
 EVAL Issue: Flood Risk
 Crossing Status: Found
 UCIP Comments: 07/03/2020 Crossing evaluated as "Urgent" because it is a straight-through drainage pipe with no flap gate on the WS end. There was also no permit found authorizing this pipe. (A. McDonald - DWR UCIP)No flap gate.
 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: 7/3/2020

Photo 1 of 3 : UCIP_FA_2021_59676_87247.jpg



Overview of levee crown looking d/s.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	3.23	Rating **	U	Issue No.	78 (cont)
LM End	3.23	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.128162 °	38.128162 °
				-121.139922 °	-121.139922 °
DWR ID	23917				

Photo 2 of 3 : UCIP_FA_2021_59676_87248.jpg



View of pipe outlet and splash apron located at the WS levee toe.

LM Start	3.23	Rating **	U	Issue No.	78 (cont)
LM End	3.23	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_59676_87249.jpg



View of pipe inlet located 50 to 100 feet off the LS 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	3.51	Rating **	M	Issue No.	81	
LM End	3.51	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.131725 °		38.131725 °
				-121.138422 °		-121.138422 °
DWR ID	23920					
Comment Code						
Inspector Comment						
DS_ID:23920 FS_ID:59638 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 07/03/2020 Crossing evaluated as "Non-Urgent" because there was no permit found authorizing this pipe. Video inspection performed on 04-22-2020. (A. McDonald - DWR UCIP) 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: 7/3/2020						

LM Start	3.51	Rating **	M	Issue No.	81 (cont)
LM End	3.51	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_59638_87257.jpg



Overview of levee crown looking d/s.

Photo 2 of 3 : UCIP_FA_2021_59638_87258.jpg



View of WS channel and splash apron.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	3.51	Rating **	M	Issue No.	81 (cont)
LM End	3.51	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.131725 °	38.131725 °
				-121.138422 °	-121.138422 °
DWR ID	23920				

Photo 3 of 3 : UCIP_FA_2021_59638_87259.jpg



View of pipe outlet and splash apron located at the WS 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.03	Rating **	M	Issue No.	16
LM End	0.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.109370 °	38.109370 °
				-121.159906 °	-121.159906 °
DWR ID	23931				
Comment Code					
Inspector Comment					
DS_ID:23931 FS_ID:58900 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 07/07/2020 Record upgraded from No Action Needed to Non Urgent because no permit has been identified authorizing pipe. This is s system feature without any modification to system. Same observation as last inspection. Pipe is in good condition. Video Inspection was performed in 4/24/2020 and the result will be appended to this report when it becomes available. (S.Donovan - DWR UCIP) 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: 7/7/2020					

Photo 1 of 3 : UCIP_FA_2021_58900_86685.jpg



Top of Levee: View of levee crown looking downstream

LM Start	0.03	Rating **	M	Issue No.	16 (cont)
LM End	0.03	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_58900_86686.jpg



Water-Side: View of pipe, headwall, and flapgate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.03	Rating **	M	Issue No.	16 (cont)
LM End	0.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.109370 °	38.109370 °
				-121.159906 °	-121.159906 °
DWR ID	23931				

Photo 3 of 3 : UCIP_FA_2021_58900_86687.jpg



Water-Side: View of headwall, spillway and channel.

LM Start	0.55	Rating **	M	Issue No.	13
LM End	0.55	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			38.110887 °	38.110887 °
				-121.151027 °	-121.151027 °
DWR ID	DWR_NA0017_13_f_2021_13				
Comment Code					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0017_157_13_20211018_00031.jpg



View of damaged gate. Fall 2021

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

** Rating
A : Acceptable N : Not Inspected/Rated
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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.55	Rating **	M	Issue No.	18	
LM End	0.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.110925 °	38.110925 °	
				-121.150976 °	-121.150976 °	
DWR ID	23933					
Comment Code						
Inspector Comment						
DS_ID:23933 FS_ID:58902 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 07/07/2020 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. Pipe was in good condition, same as last inspection. Internal video Inspection was performed on 2/21/2020 (S.Donovan - DWR UCIP) 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: 7/7/2020 1:09:28 PM						

LM Start	0.55	Rating **	M	Issue No.	18 (cont)
LM End	0.55	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_58902_86734.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP_FA_2021_58902_86735.jpg



Water-Side: View of pipe, headwall and flapgate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.57	Rating **	M	Issue No.	21 (cont)
LM End	0.57	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111127 °	38.111127 °
				-121.150747 °	-121.150747 °
DWR ID	23934				

Photo 2 of 3 : UCIP_FA_2021_58905_86743.jpg



Overview of Levee: View of levee crown looking downstream.

LM Start	0.57	Rating **	M	Issue No.	21 (cont)
LM End	0.57	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_58905_86742.jpg



Land-Side: view of pipe, headwall and levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.86	Rating **	M	Issue No.	22	
LM End	0.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.110146 °	38.110146 °	
				-121.146704 °	-121.146704 °	
DWR ID	23935					
Comment Code						
Inspector Comment						
DS_ID:23935 FS_ID:58906 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 07/07/2020 Record updated from No Action Needed to Non Urgent. No permit has been identified authorizing pipe. This is a system feature without any modification to the system. Pipe is in good condition. Same observation as last inspection. Internal video inspection was performed in 4/24/2020. (S.Donovan - DWR UCIP) 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: 7/7/2020 1:14:37 PM						

LM Start	0.86	Rating **	M	Issue No.	22 (cont)
LM End	0.86	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_58906_86746.jpg



Overview of Levee: View of levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2021_58906_86747.jpg



Water-Side: view of pipe, headwall, and flapgate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.04	Rating **	M	Issue No.	23 (cont)
LM End	1.04	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111146 °	38.111146 °
				-121.143696 °	-121.143696 °
DWR ID	23936				

Photo 2 of 3 : UCIP_FA_2021_58907_86750.jpg



Land-Side: view of pipe and headwall.

LM Start	1.04	Rating **	M	Issue No.	23 (cont)
LM End	1.04	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_58907_86751.jpg



Overview of Levee: View of levee crown looking downstream.

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.12	Rating **	M	Issue No.	24	
LM End	1.12	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.111781 °	38.111781 °	
				-121.142618 °	-121.142618 °	
DWR ID	23937					
Comment Code						
Inspector Comment						
DS_ID:23937 FS_ID:58908 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 07/07/2020 Record updated from No Action Needed to Non URgent. No permit has been identified authorizing pipe. This is a system feature without any modification to the system. Pipe is in good condition. Same observation as last inspection. (S.Donovan - DWR UCIP) 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: 7/7/2020 1:16:27 PM						

LM Start	1.12	Rating **	M	Issue No.	24 (cont)
LM End	1.12	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_58908_86755.jpg



Water-Side: view of pipe with headwall and flapgate.

Photo 2 of 3 : UCIP_FA_2021_58908_86754.jpg



Overview of Levee: View of levee crown 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.12	Rating **	M	Issue No.	24 (cont)
LM End	1.12	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111781 °	38.111781 °
				-121.142618 °	-121.142618 °
DWR ID	23937				

Photo 3 of 3 : UCIP_FA_2021_58908_86753.jpg



Land-Side: view of pipe and headwall.

LM Start	1.31	Rating **	M	Issue No.	10
LM End	1.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.110667 °	38.110667 °
				-121.140114 °	-121.140114 °
DWR ID	DWR_NA0017_13_f_2021_10				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0017_157_10_20211018_00030.jpg



View of prunings along the waterside slope. Fall 2021

LM Start	1.32	Rating **	C	Issue No.	12
LM End	1.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.110638 °	38.110638 °
				-121.139918 °	-121.139918 °
DWR ID	DWR_NA0017_13_s_2021_12				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.33	Rating **	C	Issue No.	11
LM End	1.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.110645 °	38.110645 °
				-121.139587 °	-121.139587 °
DWR ID	DWR_NA0017_13_s_2021_11				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.02	Rating **	M	Issue No.	27	
LM End	0.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.109687 °	38.109687 °	
				-121.159895 °	-121.159895 °	
DWR ID	23939					
Comment Code						
Inspector Comment						
DS_ID:23939 FS_ID:66838 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 04/29/2021 Record has been upgraded from No Action Needed to Non-Urgent. Unit 14 – Middle Paddle Creek (CLM 0 to 1.38) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 to 1.38 of Unit 14 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next inspection in 5 years. Current condition of pipe crossing does not impede access to patrol road/high ground area. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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: 4/29/2021						

Photo 1 of 3 : UCIP_FA_2021_66838_98394.jpg



Levee crown looking downstream.

LM Start	0.02	Rating **	M	Issue No.	27 (cont)
LM End	0.02	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66838_98395.jpg



LS view: Toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.02	Rating **	M	Issue No.	27 (cont)
LM End	0.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.109687 °	38.109687 °
				-121.159895 °	-121.159895 °
DWR ID	23939				

Photo 3 of 3 : UCIP_FA_2021_66838_98396.jpg



LS view: Slope and pipe inlet at toe.

LM Start	0.25	Rating **	M	Issue No.	28
LM End	0.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.109799 °	38.109799 °
				-121.155621 °	-121.155621 °
DWR ID	23940				

Photo 1 of 3 : UCIP_FA_2021_66868_98400.jpg



Levee crown looking downstream.

Comment Code					
Inspector Comment					
DS_ID:23940 FS_ID:66868 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 04/29/2021 Pipe status is still Non-Urgent. Unit 14 ? Middle Paddle Creek (CLM 0 to 1.38) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 to 1.38 of Unit 14 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend inspection in 5 years. Current condition of pipe crossing does not impede access to patrol road/high ground area. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn ? GEI) 06/12/2014 Debris partially blocking closure of flapgate. (W. Wylie - DWR UCIP) 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: 4/29/2021					

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.25	Rating **	M	Issue No.	28 (cont)
LM End	0.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.109799 °	38.109799 °
				-121.155621 °	-121.155621 °
DWR ID	23940				

Photo 2 of 3 : UCIP_FA_2021_66868_98401.jpg



LS view: Toe from crown.

LM Start	0.25	Rating **	M	Issue No.	28 (cont)
LM End	0.25	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66868_98402.jpg



LS view: Slope and pipe inlet at 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.37	Rating **	M	Issue No.	29	
LM End	0.37	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.109855 °	38.109855 °	
				-121.153390 °	-121.153390 °	
DWR ID	23941					
Comment Code						
Inspector Comment						
DS_ID:23941 FS_ID:66871 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 04/29/2021 Pipe status is still Non-Urgent. Unit 14 – Middle Paddle Creek (CLM 0 to 1.38) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 to 1.38 of Unit 14 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend inspection in 5 years. Current condition of pipe crossing does not impede access to patrol road/high ground area. Pipe is open on both ends without a flapgate and LS pipe edges are warped, recommend maintenance. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 06/12/2014 Pipe buried on WS slope. (W. Wylie - DWR UCIP) 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: 4/29/2021						

Photo 1 of 3 : UCIP_FA_2021_66871_98406.jpg



Levee crown looking downstream.

LM Start	0.37	Rating **	M	Issue No.	29 (cont)
LM End	0.37	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66871_98407.jpg



WS view: Toe from crown with markers on either side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.37	Rating **	M	Issue No.	29 (cont)
LM End	0.37	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.109855 °	38.109855 °
				-121.153390 °	-121.153390 °
DWR ID	23941				

Photo 3 of 3 : UCIP_FA_2021_66871_98408.jpg



WS view: Slope and pipe outlet at toe, no flapgate.

LM Start	0.46	Rating **	M	Issue No.	30
LM End	0.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.110456 °	38.110456 °
				-121.152083 °	-121.152083 °
DWR ID	23942				

Comment Code

Inspector Comment

DS_ID:23942
FS_ID:66872
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 04/29/2021 Record has been upgraded from No Action Needed to Non-Urgent. Unit 14 – Middle Paddle Creek (CLM 0 to 1.38) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 to 1.38 of Unit 14 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend inspection in 5 years. Current condition of pipe crossing does not impede access to patrol road/high ground area. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI)
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: 4/29/2021

Photo 1 of 3 : UCIP_FA_2021_66872_98412.jpg



Levee crown 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.46	Rating **	M	Issue No.	30 (cont)
LM End	0.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.110456 °	38.110456 °
				-121.152083 °	-121.152083 °
DWR ID	23942				

Photo 2 of 3 : UCIP_FA_2021_66872_98413.jpg



LS view: Toe from crown, marker visible.

LM Start	0.46	Rating **	M	Issue No.	30 (cont)
LM End	0.46	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66872_98414.jpg



LS view: Slope and pipe inlet at toe.

LM Start	0.54	Rating **	C	Issue No.	20
LM End	0.54	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			38.111338 °	38.111338 °
				-121.151031 °	-121.151031 °
DWR ID	DWR_NA0017_14_f_2020_20				
Comment Code					
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.55	Rating **	M	Issue No.	31
LM End	0.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111372 °	38.111372 °
				-121.150985 °	-121.150985 °
DWR ID	23943				

Comment Code

Inspector Comment

DS_ID:23943
FS_ID:66873
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Maintenance Compliance Issue
Crossing Status: Found
UCIP Comments: 04/29/2021 Pipe status is still Non-Urgent. Unit 14 – Middle Paddle Creek (CLM 0 to 1.38) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 to 1.38 of Unit 14 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend inspection in 5 years. Current condition of pipe crossing does not impede access to patrol road/high ground area. Pipe is open on both ends and there is some erosion around pipe on both WS and LS ends, recommend maintenance for erosion. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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: 4/29/2021

Photo 1 of 3 : UCIP_FA_2021_66873_98421.jpg



Levee crown 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.55	Rating **	M	Issue No.	31 (cont)
LM End	0.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111372 °	38.111372 °
				-121.150985 °	-121.150985 °
DWR ID	23943				

Photo 2 of 3 : UCIP_FA_2021_66873_98419.jpg



LS view: Slope and pipe inlet at toe.

LM Start	0.55	Rating **	M	Issue No.	31 (cont)
LM End	0.55	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66873_98420.jpg



LS view: Close up of pipe inlet at toe, some erosion around 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.56	Rating **	M	Issue No.	34	
LM End	0.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.111507 °		38.111507 °
				-121.150745 °		-121.150745 °
DWR ID	23944					
Comment Code						
Inspector Comment						
DS_ID:23944 FS_ID:66877 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 04/29/2021 Record has been upgraded from No Action Needed to Non-Urgent. Unit 14 – Middle Paddle Creek (CLM 0 to 1.38) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 to 1.38 of Unit 14 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. Current condition of pipe crossing does not impede access to patrol road/high ground area. Pipe is open on both ends, no flapgate. Erosion and gapping to the side and above LS pipe inlet, recommend maintenance. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 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: 4/29/2021						

LM Start	0.56	Rating **	M	Issue No.	34 (cont)
LM End	0.56	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66877_98437.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2021_66877_98439.jpg



LS view: Toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.56	Rating **	M	Issue No.	34 (cont)
LM End	0.56	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111507 °	38.111507 °
				-121.150745 °	-121.150745 °
DWR ID	23944				

Photo 3 of 3 : UCIP_FA_2021_66877_98440.jpg



LS view: Erosion and gapping above pipe inlet on slope.

LM Start	0.60	Rating **	M	Issue No.	22
LM End	0.60	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.111733 °	38.111733 °
				-121.150229 °	-121.150229 °
DWR ID	DWR_NA0017_14_f_2020_22				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0017_158_22_20211018_00045.jpg



View of tire ruts with the surface road. Fall 2021

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

** Rating
A : Acceptable
M : Minimally Acceptable
U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.75	Rating **	M	Issue No.	35
LM End	0.75	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111475 °	38.111475 °
				-121.148081 °	-121.148081 °
DWR ID	23945				
Comment Code					
Inspector Comment					
DS_ID:23945 FS_ID:66878 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Limited Inspection/No UCIP Evaluation Crossing Status: Found UCIP Comments: 04/29/2021 Pipe status is still Non-Urgent. Unit 14 – Middle Paddle Creek (CLM 0 to 1.38) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 to 1.38 of Unit 14 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Current condition of pipe crossing does not impede access to patrol road/high ground area. Pipe is open on both ends and LS pipe end is covered in vegetation and behind barbed wire, could not inspect. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 06/12/2014 Pipe open on both ends. Levee appears abandoned. (W. Wylie - DWR UCIP) 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: 4/29/2021					

Photo 1 of 3 : UCIP_FA_2021_66878_98442.jpg



Levee crown looking upstream.

LM Start	0.75	Rating **	M	Issue No.	35 (cont)
LM End	0.75	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66878_98443.jpg



LS view: Toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.75	Rating **	M	Issue No.	35 (cont)
LM End	0.75	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.111475 °	38.111475 °
				-121.148081 °	-121.148081 °
DWR ID	23945				

Photo 3 of 3 : UCIP_FA_2021_66878_98444.jpg



LS view: Pipe inlet covered by vegetation and barbed wire at toe.

LM Start	0.76	Rating **	M	Issue No.	15
LM End	0.76	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.111323 °	38.111323 °
				-121.147969 °	-121.147969 °
DWR ID	DWR_NA0017_14_f_2021_15				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.94	Rating **	M	Issue No.	36
LM End	0.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.110801 °	38.110801 °
				-121.145174 °	-121.145174 °
DWR ID	23946				
Comment Code					
Inspector Comment					
DS_ID:23946 FS_ID:66879 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 04/29/2021 Pipe status is still Non-Urgent. Unit 14 – Middle Paddle Creek (CLM 0 to 1.38) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 to 1.38 of Unit 14 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend inspection in 5 years. Current condition of pipe crossing does not impede access to patrol road/high ground area. Pipe is open on both ends, no flapgates and LS pipe end filled with dirt, recommend maintenance for sediment removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 06/12/2014 Pipe buried on LS. Levee appears abandoned. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 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: 4/29/2021					

LM Start	0.94	Rating **	M	Issue No.	36 (cont)
LM End	0.94	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66879_98447.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2021_66879_98448.jpg



LS view: Toe from crown, marker visible.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.94	Rating **	M	Issue No.	36 (cont)
LM End	0.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.110801 °	38.110801 °
				-121.145174 °	-121.145174 °
DWR ID	23946				

Photo 3 of 3 : UCIP_FA_2021_66879_98449.jpg



LS view: Inlet barely visible at toe.

LM Start	0.96	Rating **	M	Issue No.	37
LM End	0.96	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.110926 °	38.110926 °
				-121.144799 °	-121.144799 °
DWR ID	23947				

Comment Code

Inspector Comment

DS_ID:23947
FS_ID:66883
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Pipe Damage
Crossing Status: Found
UCIP Comments: 04/29/2021 Pipe status is still Non-Urgent. Unit 14 – Middle Paddle Creek (CLM 0 to 1.38) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 to 1.38 of Unit 14 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP internal inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Current condition of pipe crossing does not impede access to patrol road/high ground area. Pipe is open on both ends, no flapgate. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 06/12/2014 Pipe buried on LS shoulder and open on WS. Levee appears abandoned. (W. Wylie - DWR UCIP) 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: 4/29/2021

Photo 1 of 3 : UCIP_FA_2021_66883_98454.jpg



Levee crown 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	0.96	Rating **	M	Issue No.	37 (cont)
LM End	0.96	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.110926 °	38.110926 °
				-121.144799 °	-121.144799 °
DWR ID	23947				

Photo 2 of 3 : UCIP_FA_2021_66883_98455.jpg



WS view: Toe from crown.

LM Start	0.96	Rating **	M	Issue No.	37 (cont)
LM End	0.96	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66883_98456.jpg



WS view: Slope and pipe outlet at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.11	Rating **	M	Issue No.	39	
LM End	1.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.112125 °	38.112125 °	
				-121.142568 °	-121.142568 °	
DWR ID	23949					
Comment Code						
Inspector Comment						
DS_ID:23949 FS_ID:66888 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 04/29/2021 Pipe status is still Non-Urgent. Unit 14 – Middle Paddle Creek (CLM 0 to 1.38) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 to 1.38 of Unit 14 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend inspection in 5 years. Current condition of pipe crossing does not impede access to patrol road/high ground area. LS and WS pipe inlet and flapgate covered with vegetation, recommend removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 06/12/2014 Pipe appears abandoned. Levee appears Abandoned. (W. Wylie - DWR UCIP) 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: 4/29/2021						

Photo 1 of 3 : UCIP_FA_2021_66888_98468.jpg



Levee crown looking upstream.

LM Start	1.11	Rating **	M	Issue No.	39 (cont)
LM End	1.11	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66888_98469.jpg



LS view: Toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.11	Rating **	M	Issue No.	39 (cont)
LM End	1.11	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.112125 °	38.112125 °
				-121.142568 °	-121.142568 °
DWR ID	23949				

Photo 3 of 3 : UCIP_FA_2021_66888_98470.jpg



LS view: Pipe inlet covered by vegetation at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.16	Rating **	M	Issue No.	40
LM End	1.16	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.112296 °	38.112296 °
				-121.141654 °	-121.141654 °
DWR ID	23950				
Comment Code					
Inspector Comment					
DS_ID:23950 FS_ID:66889 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 04/29/2021 Pipe status is still Non-Urgent. Unit 14 – Middle Paddle Creek (CLM 0 to 1.38) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 to 1.38 of Unit 14 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP internal inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend inspection in 5 years. Current condition of pipe crossing does not impede access to patrol road/high ground area. Pipe is open on both ends, no flapgate. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 06/12/2014 Pipe open on both ends. Levee appears abandoned. (W. Wylie - DWR UCIP) 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: 4/29/2021					

Photo 1 of 3 : UCIP_FA_2021_66889_98476.jpg



Levee crown looking upstream.

LM Start	1.16	Rating **	M	Issue No.	40 (cont)
LM End	1.16	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66889_98477.jpg



WS view: Pipe visible at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/18/2021 10/18/2021	Alberto De Leon

LM Start	1.16	Rating **	M	Issue No.	40 (cont)
LM End	1.16	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.112296 °	38.112296 °
				-121.141654 °	-121.141654 °
DWR ID	23950				

Photo 3 of 3 : UCIP_FA_2021_66889_98478.jpg



WS view: Slope and pipe outlet at toe.

LM Start	1.32	Rating **	M	Issue No.	26
LM End	1.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.110926 °	38.110926 °
				-121.139667 °	-121.139667 °
DWR ID	DWR_NA0017_14_f_2021_26				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	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_2021_NA0017_159_1155_20210913_00081.jpg



View of the dam at the starting of the Mormon slough.

DWR Start	0.75	Rating **	M	Issue No.	4	
LM End	0.91	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						
06/23/2021: The erosion length was updated to 820 ft based on more accurate field measurements. Otherwise, no significant changes were observed since the previous inspection.						
07/23/2020: New erosion visible in some locations. The area is densely vegetated.						
08/28/2019: From 2011 to 2019, no significant changes were observed during the annual survey.						
11/02/2010: 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 1 of 3 : SJR2021_NA0017U15RM22.91_1.JPG



6/23/2021: View of the erosion 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	0.75	Rating **	M	Issue No.	4 (cont)
LM End	0.91	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				

Photo 2 of 3 : SJR2021_NA0017U15RM22.91_2.JPG



6/23/2021: View of the erosion looking downstream.

LM Start	0.75	Rating **	M	Issue No.	4 (cont)
LM End	0.91	Issue Type +	Ma	Location *	

Photo 3 of 3 : SJR2021_NA0017U15RM22.91_3.JPG



6/23/2021: View of the erosion from the 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	1.16	Rating **	M	Issue No.	1159	
LM End	1.16	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.041907 °	38.041907 °	
				-121.027235 °	-121.027235 °	
DWR ID	23199					
Comment Code						
Inspector Comment						
DS_ID:23199 FS_ID:66898 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 03/26/2021 Record has been upgraded from No Action Needed to Non-Urgent. Unit 15 – Mormon Slough (CLM 0 to 1.50 and 5.0 - 11.0) are considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 - 1.50 and 5.0 – 11.0 of Unit 15 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. Current condition of pipe crossing does not impede access to patrol road/high ground area. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (H. Dunn – GEI) 04/09/2014 Deformed inlet opening. Needs cleaning and clearing on inlet opening on landside. (P. Tariq - DWR UCIP) 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: 3/26/2021						

Photo 1 of 3 : UCIP_FA_2021_66898_93981.jpg



Levee crown 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	1.16	Rating **	M	Issue No.	1159 (cont)
LM End	1.16	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.041907 °	38.041907 °
				-121.027235 °	-121.027235 °
DWR ID	23199				

Photo 2 of 3 : UCIP_FA_2021_66898_93985.jpg



LS view: Inside pipe inlet.

LM Start	1.16	Rating **	M	Issue No.	1159 (cont)
LM End	1.16	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66898_93984.jpg



LS view: Pipe end at toe.

LM Start	1.45	Rating **	C	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					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	1.46	Rating **	M	Issue No.	1160	
LM End	1.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.040197 °	38.040197 °	
				-121.032044 °	-121.032044 °	
DWR ID	23200					
Comment Code						
Inspector Comment						
DS_ID:23200 FS_ID:66899 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 03/26/2021 Record has been upgraded from No Action Needed to Non-Urgent. Unit 15 – Mormon Slough (CLM 0 to 1.50 and 5.0 - 11.0) are considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 - 1.50 and 5.0 – 11.0 of Unit 15 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. Recommend cleaning dirt/vegetation debris off/out of LS pipe end. Current condition of pipe crossing does not impede access to patrol road/high ground area. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (H. Dunn – GEI) 04/09/2021 Pipe needs cleaning and clearing on both pipe ends. (P. Tariq - DWR UCIP) 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: 3/26/2021						

Photo 1 of 3 : UCIP_FA_2021_66899_93996.jpg



Levee crown 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	1.46	Rating **	M	Issue No.	1160 (cont)
LM End	1.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.040197 °	38.040197 °
				-121.032044 °	-121.032044 °
DWR ID	23200				

Photo 2 of 3 : UCIP_FA_2021_66899_94001.jpg



LS view: Pipe end covered in vegetation and dirt.

LM Start	1.46	Rating **	M	Issue No.	1160 (cont)
LM End	1.46	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66899_94000.jpg



LS view: Toe from crown.

LM Start	2.35	Rating **	C	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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	2.63	Rating **	M	Issue No.	10
LM End	2.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.030118 °	38.029825 °
				-121.048360 °	-121.048708 °
DWR ID	DWR_NA0017_15_f_2018_10				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.78	Rating **	C	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					

No Photos

LM Start	4.51	Rating **	M	Issue No.	14
LM End	4.52	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.009753 °	38.009753 °
				-121.069559 °	-121.069559 °
DWR ID	NA0017U15RM18.45				
Comment Code					
Inspector Comment					
Site ID: NA0017U15RM18.45					
06/23/2021: No significant changes were observed since the previous inspection.					
07/23/2020: This site was discovered during the DWR Fall 2015 Levee Inspections. Although dense vegetation is limiting the view, the erosion, which extends to the upper levee slope, could still be seen.					

Photo 1 of 1 : SJR2021_NA0017U15RM18.45_1.JPG



6/23/2021: Looking down the levee slope. Dense vegetation is limiting the 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

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	5.04	Rating **	C	Issue No.	1009
LM End	5.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.003021 °	38.003021 °
				-121.073658 °	-121.073658 °
DWR ID	DWR_NA0017_15_s_2012_1009				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

No Photos

LM Start	5.16	Rating **	A/W	Issue No.	142
LM End	10.94	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.001608 °	37.961947 °
				-121.074935 °	-121.159963 °
DWR ID	DWR_NA0017_15_s_2012_142				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
This portion of the unit contains a Non-Project Levee from LM 5.16 to LM 10.94. Accordingly, the only issues rated along this stretch affect access and the ability to inspect the channel. Other issues found have been rated "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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	5.46	Rating **	M	Issue No.	1174
LM End	5.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.997990 °	37.997990 °
				-121.078092 °	-121.078092 °
DWR ID	23308				

Comment Code

Inspector Comment

DS_ID:23308
FS_ID:66920
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Maintenance Compliance Issue
Crossing Status: Found
UCIP Comments: 03/26/2021 Record has been upgraded from No Action Needed to Non-Urgent. Unit 15 – Mormon Slough (CLM 0 to 1.50 and 5.0 - 11.0) are considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 - 1.50 and 5.0 – 11.0 of Unit 15 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment.
03/26/2021 Record has been upgraded from No Action Needed to Non-Urgent. Unit 15 – Mormon Slough (CLM 0 to 1.50 and 5.0 - 11.0) are considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 - 1.50 and 5.0 – 11.0 of Unit 15 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. Current condition of pipe crossing does not impede access to patrol road/high ground area. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (H. Dunn – GEI) 04/09/2014 Inlet CM pipe riser on landside shoulder. Pipe not found on waterside. Dense vegetation on channel bank. May need inlet cleaning. (P. Tariq - DWR UCIP)
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: 3/26/2021

Photo 1 of 3 : UCIP_FA_2021_66920_94206.jpg



Levee crown 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	5.46	Rating **	M	Issue No.	1174 (cont)
LM End	5.46	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.997990 °	37.997990 °	
			-121.078092 °	-121.078092 °	
DWR ID	23308				

Photo 2 of 3 : UCIP_FA_2021_66920_94209.jpg



LS view: Metal riser at toe is bent and warped.

LM Start	5.46	Rating **	M	Issue No.	1174 (cont)
LM End	5.46	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66920_94208.jpg



LS view: Metal riser at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	5.52	Rating **	A/W	Issue No.	7
LM End	5.53	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

*This area is patrol road only and therefore the site is not rated
06/29/2021: There is more vegetation on the slope. Otherwise, no significant changes were observed since the previous inspection.
07/24/2020: Some burrowing activity observed. Site is likely to extend toward downstream during the next rain event.
08/28/2019: The erosion is located at the upper slope of the channel bank and was likely caused by rainfall runoff.

LM Start	5.52	Rating **	A/W	Issue No.	7 (cont)
LM End	5.53	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021_NA0017U15RM17.67_1.JPG



6/29/2021: View of the erosion looking upstream.

Photo 2 of 2 : SJR2021_NA0017U15RM17.67_3.JPG



6/29/2021: View of the erosion 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

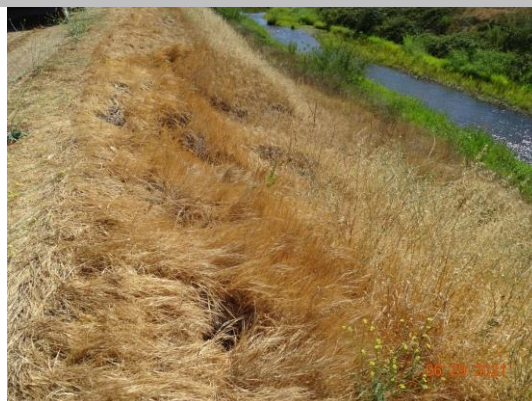
San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/19/2021 10/19/2021	Alberto De Leon

LM Start	7.67	Rating **	A/W	Issue No.	17
LM End	7.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.976275 °	37.976275 °
				-121.106364 °	-121.106364 °
DWR ID	NA0017U15RM15.25				
Comment Code					
Inspector Comment					
Site ID: NA0017U15RM15.25					
*This area is patrol road only and therefore the site is not rated					
06/29/2021: No changes were observed since the previous inspection.					
The erosion is visible in two locations.					
07/24/2020: This site was discovered during the DWR Fall 2017 Levee					
Inspections. The erosion is caused by surface runoff and likely to cut					
into the patrol road during the next storm events.					

LM Start	7.67	Rating **	A/W	Issue No.	17 (cont)
LM End	7.68	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021_NA0017U15RM15.25_2.JPG



6/29/2021: View of the erosion on the upper slope looking upstream.

Photo 2 of 2 : SJR2021_NA0017U15RM15.25_3.JPG



6/29/2021: 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	8.08	Rating **	M	Issue No.	184
LM End	8.47	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.972784 °	37.969649 °	
			-121.112523 °	-121.117543 °	
DWR ID	DWR_NA0017_15_s_2021_184				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0017_159_184_20211019_00517.jpg



View of vegetation covering crown and surface road. Fall 2021

LM Start	8.12	Rating **	M	Issue No.	82
LM End	8.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.972514 °	37.971883 °	
			-121.113066 °	-121.113688 °	
DWR ID	DWR_NA0017_15_f_2021_82				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	8.39	Rating **	C	Issue No.	146
LM End	8.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		37.969822 °	37.969822 °	
			-121.116057 °	-121.116057 °	
DWR ID	DWR_NA0017_15_s_2020_146				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

No Photos

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

** Rating
A : Acceptable N : Not Inspected/Rated
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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	8.43	Rating **	A/W	Issue No.	5	
LM End	8.44	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						
*This area is patrol road only and therefore the site is not rated						
06/29/2021: From 2014 to present, no significant changes were						
observed during the annual survey. There are signs of animal activity.						
09/12/2013: The erosion has been caused by runoff.						

Photo 1 of 1 : SJR2021_NA0017U15RM14.49_2.JPG



6/29/2021: View of the erosion looking upstream

LM Start	8.46	Rating **	M	Issue No.	1186	
LM End	8.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.969690 °	37.969690 °	
				-121.117404 °	-121.117404 °	
DWR ID	23227					
Comment Code						
Inspector Comment						
DS_ID:23227						
FS_ID:65489						
EP_NO: N/A						
Repair Type: Non-Urgent						
EVAL Issue: Maintenance Compliance Issue						
Crossing Status: Found						
UCIP Comments: 03/25/2021 Pipe status is still Non-Urgent. Unit 15 – Mormon Slough (CLM 0 to 1.50 and 5.0 - 11.0) are considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 - 1.50 and 5.0 – 11.0 of Unit 15 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. LS pipe end covered in dirt and veegestation, recommend cleaning out. Cannot see WS pipe end. Current condition of pipe crossing does not impede access to patrol road/high ground area. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (H. Dunn – GEI)						
04/10/2014 Distorted inlet pipe opening on landside. No pipe found on waterside. Dense vegetation and steep slope on waterside. (P. Tariq - DWR UCIP)						
FIELD_STRUCT_DESC: 18-inch CM pipe through the levee, 1.0 feet below the crown. O&M Manual SJR Assumed 999.						
FS Date: 3/25/2021						

Photo 1 of 3 : UCIP_FA_2021_65489_94355.jpg



Levee crown 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
--	--	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	8.46	Rating **	M	Issue No.	1186 (cont)
LM End	8.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.969690 °	37.969690 °
				-121.117404 °	-121.117404 °
DWR ID	23227				

Photo 2 of 3 : UCIP_FA_2021_65489_94357.jpg



LS view: Pipe end covered in dirt and vegetation at toe.

LM Start	8.46	Rating **	M	Issue No.	1186 (cont)
LM End	8.46	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_65489_94356.jpg



LS view: Toe from crown, pipe not visible.

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

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	8.69	Rating **	M	Issue No.	1187	
LM End	8.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.968500 °		37.968500 °
				-121.121130 °		-121.121130 °
DWR ID	23229					
Comment Code						
Inspector Comment						
DS_ID:23229 FS_ID:66938 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 03/25/2021 Pipe status is still Non-Urgent. Unit 15 – Mormon Slough (CLM 0 to 1.50 and 5.0 - 11.0) are considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 - 1.50 and 5.0 – 11.0 of Unit 15 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. LS pipe end bent and warped and covered with debris, recommend clearing away. Cannot see WS pipe end. Current condition of pipe crossing does not impede access to patrol road/high ground area. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (H. Dunn – GEI) 04/10/2014 Distorted pipe opening on landside. Inlet pipe needs clearing and cleaning. (P. Tariq - DWR UCIP)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: 3/25/2021						

Photo 1 of 3 : UCIP_FA_2021_66938_94363.jpg



Levee crown looking upstream.

LM Start	8.69	Rating **	M	Issue No.	1187 (cont)
LM End	8.69	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66938_94365.jpg



LS view: Pipe end visible at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	8.69	Rating **	M	Issue No.	1187 (cont)
LM End	8.69	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.968500 °	37.968500 °
				-121.121130 °	-121.121130 °
DWR ID	23229				

Photo 3 of 3 : UCIP_FA_2021_66938_94364.jpg



LS view: Toe from crown.

LM Start	8.81	Rating **	A/W	Issue No.	6
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

*This area is patrol road only and therefore the site is not rated
06/29/2021: From 2015 to present, no significant changes were observed during the annual survey.

08/20/2014: Both ends of the erosion site are protected by riprap.

LM Start	8.81	Rating **	A/W	Issue No.	6 (cont)
LM End	8.83	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021_NA0017U15RM13.87_3.JPG



6/29/2021: View of the erosion looking downstream.

Photo 2 of 2 : SJR2021_NA0017U15RM13.87_02.JPG



7/24/2020: View of the erosion from the 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	9.55	Rating **	M	Issue No.	1192	
LM End	9.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.966327 °	37.966327 °	
				-121.135980 °	-121.135980 °	
DWR ID	23233					
Comment Code						
Inspector Comment						
DS_ID:23233 FS_ID:66952 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 03/25/2021 Pipe status is still Non-Urgent. Unit 15 - Mormon Slough (CLM 0 to 1.50 and 5.0 - 11.0) are considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 - 1.50 and 5.0 - 11.0 of Unit 15 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. LS pipe buried under dirt and vegetation with some dirt seen inside WS pipe, recommend cleaning out both sides. Current condition of pipe crossing does not impede access to patrol road/high ground area. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (H. Dunn - GEI) 04/10/2014 Needs clearing and cleaning of the pipe. (P. Tariq - DWR UCIP) 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: 3/25/2021						

Photo 1 of 3 : UCIP_FA_2021_66952_94407.jpg



Levee crown 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	9.55	Rating **	M	Issue No.	1192 (cont)
LM End	9.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.966327 °	37.966327 °
				-121.135980 °	-121.135980 °
DWR ID	23233				

Photo 2 of 3 : UCIP_FA_2021_66952_94409.jpg



LS view: Pipe inlet covered in dirt and vegetation.

LM Start	9.55	Rating **	M	Issue No.	1192 (cont)
LM End	9.55	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66952_94408.jpg



LS view: Toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	9.61	Rating **	A/W	Issue No.	11	
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 *This area is patrol road only and therefore the site is not rated 06/29/2021: The upper slope is now covered with vegetation. The erosion scarp on the lower slope is clearly visible. 07/24/2020: The erosion site has been repaired by placing fill and riprap. A new erosion site was discovered just downstream of this site (see Site ID NA0017U15RM13.22). 08/28/2019: The erosion is located at the lower slope of the channel bank and covered by dense vegetation.						

Photo 1 of 3 : SJR2021_NA0017U15RM13.25_2.JPG



6/29/2021: View of the erosion from the opposite bank.

LM Start	9.61	Rating **	A/W	Issue No.	11 (cont)
LM End	9.63	Issue Type +	Ma	Location *	

Photo 2 of 3 : SJR2021_NA0017U15RM13.25_3.JPG



6/29/2021: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	9.61	Rating **	A/W	Issue No.	11 (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				

Photo 3 of 3 : SJR2021_NA0017U15RM13.25_01.JPG



7/24/2020: View of the repaired erosion site looking upstream.

LM Start	9.63	Rating **	A/W	Issue No.	22
LM End	9.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.965476 °	37.965476 °
				-121.137512 °	-121.137512 °
DWR ID	NA0017U15RM13.22				

Comment Code

Inspector Comment

Site ID: NA0017U15RM13.22

*This area is patrol road only and therefore the site is not rated

06/29/2021: The erosion extends downstream to the ford. The erosion length was updated to 280 ft based on more accurate field measurements.

07/24/2020: The site was discovered during the field survey. The erosion is immediately downstream of a newly repaired erosion site (NA0017U15RM13.25). The erosion begins at the shoulder and extends down the entire slope. Some sloughing is visible on the upper slope and the stream has cut into the bank.

Photo 1 of 3 : SJR2021_NA0017U15RM13.22_5.JPG



6/29/2021: View of the erosion from the opposite bank 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	9.63	Rating **	A/W	Issue No.	22 (cont)
LM End	9.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.965476 °	37.965476 °
				-121.137512 °	-121.137512 °
DWR ID	NA0017U15RM13.22				

Photo 2 of 3 : SJR2021_NA0017U15RM13.22_4.JPG



6/29/2021: Close-up view of the erosion.

LM Start	9.63	Rating **	A/W	Issue No.	22 (cont)
LM End	9.68	Issue Type +	Ma	Location *	

Photo 3 of 3 : SJR2021_NA0017U15RM13.22_2.JPG



6/29/2021: View of the downstream end of the erosion and the ford.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	9.80	Rating **	M	Issue No.	1195	
LM End	9.80	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.965294 °	37.965294 °	
				-121.140184 °	-121.140184 °	
DWR ID	23235					
Comment Code						
Inspector Comment						
DS_ID:23235 FS_ID:66955 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 03/25/2021 Pipe status is still Non-Urgent. Unit 15 - Mormon Slough (CLM 0 to 1.50 and 5.0 - 11.0) are considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 - 1.50 and 5.0 - 11.0 of Unit 15 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. LS pipe has some debris piled up, recommend cleaning out. DWR DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Current condition of pipe crossing does not impede access to patrol road/high ground area. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (H. Dunn - GEI) 04/10/2014 Mud/soil in inlet pipe. Needs cleaning. (P. Tariq - DWR UCIP)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: 3/25/2021						

Photo 1 of 3 : UCIP_FA_2021_66955_94427.jpg



Levee crown 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	9.80	Rating **	M	Issue No.	1195 (cont)
LM End	9.80	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.965294 °	37.965294 °
				-121.140184 °	-121.140184 °
DWR ID	23235				

Photo 2 of 3 : UCIP_FA_2021_66955_94429.jpg



LS view: Inlet visible at toe.

LM Start	9.80	Rating **	M	Issue No.	1195 (cont)
LM End	9.80	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66955_94430.jpg



LS view: Pipe covered with debris.

LM Start	9.90	Rating **	C	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					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	10.01	Rating **	M	Issue No.	1196	
LM End	10.01	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.965085 °	37.965085 °	
				-121.143999 °	-121.143999 °	
DWR ID	23236					
Comment Code						
Inspector Comment						
DS_ID:23236 FS_ID:66956 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 03/25/2021 Pipe status is still Non-Urgent. Unit 15 - Mormon Slough (CLM 0 to 1.50 and 5.0 - 11.0) are considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 - 1.50 and 5.0 - 11.0 of Unit 15 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. LS pipe end filled with debris and dirt, recommend cleaning out. WS pipe end not seen. DWR DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. Current condition of pipe crossing does not impede access to patrol road/high ground area. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (H. Dunn - GEI) 04/10/2014 May need cleaning of the pipe. (P. Tariq - DWR UCIP)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: 3/25/2021						

Photo 1 of 3 : UCIP_FA_2021_66956_94436.jpg



Levee crown looking upstream.

LM Start	10.01	Rating **	M	Issue No.	1196 (cont)
LM End	10.01	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66956_94439.jpg



LS view: Pipe end filled with debris.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	10.01	Rating **	M	Issue No.	1196 (cont)
LM End	10.01	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.965085 °	37.965085 °
				-121.143999 °	-121.143999 °
DWR ID	23236				

Photo 3 of 3 : UCIP_FA_2021_66956_94438.jpg



LS view: Pipe inlet visible at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	10.26	Rating **	M	Issue No.	1197	
LM End	10.26	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.965104 °	37.965104 °	
				-121.148460 °	-121.148460 °	
DWR ID	23237					
Comment Code						
Inspector Comment						
DS_ID:23237 FS_ID:66959 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 03/25/2021 Record has been issued upgraded from No Action Needed to Non-Urgent. Unit 15 – Mormon Slough (CLM 0 to 1.50 and 5.0 - 11.0) are considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 - 1.50 and 5.0 – 11.0 of Unit 15 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Current condition of pipe crossing does not impede access to patrol road/high ground area. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (H. Dunn – GEI) 04/10/2014 May need cleaning of the inlet pipe. Vegetation debris on inlet box. (P. Tariq - DWR UCIP) 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: 3/25/2021						

LM Start	10.26	Rating **	M	Issue No.	1197 (cont)
LM End	10.26	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66959_94453.jpg



Levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2021_66959_94457.jpg



LS view: Headwall and pipe at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	10.26	Rating **	M	Issue No.	1197 (cont)	
LM End	10.26	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.965104 °		37.965104 °
				-121.148460 °		-121.148460 °
DWR ID	23237					

Photo 3 of 3 : UCIP_FA_2021_66959_94458.jpg



LS view: Inside pipe inlet.

LM Start	10.27	Rating **	M	Issue No.	1199
LM End	10.27	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.965097 °	37.965097 °
				-121.148671 °	-121.148671 °
DWR ID	23238				

Comment Code

Inspector Comment

DS_ID:23238
FS_ID:65502
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Maintenance Compliance Issue
Crossing Status: Found
UCIP Comments: 03/25/2021 Pipe status is still Non-Urgent. Unit 15 – Mormon Slough (CLM 0 to 1.50 and 5.0 - 11.0) are considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 - 1.50 and 5.0 – 11.0 of Unit 15 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. Cannot see inlet or pipe on LS, likely covered in trash or vegetation, recommend clearing out. DWR DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. Current condition of pipe crossing does not impede access to patrol road/high ground area. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (H. Dunn – GEI) 04/10/2014 Pipe buried on landside. May need cleaning of vegetation debris in inlet opening. (P. Tariq - DWR UCIP)
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: 3/25/2021

Photo 1 of 3 : UCIP_FA_2021_65502_94465.jpg



Levee crown 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	10.27	Rating **	M	Issue No.	1199 (cont)
LM End	10.27	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.965097 °	37.965097 °
				-121.148671 °	-121.148671 °
DWR ID	23238				

Photo 2 of 3 : UCIP_FA_2021_65502_94466.jpg



LS view: Toe from levee crown.

LM Start	10.27	Rating **	M	Issue No.	1199 (cont)
LM End	10.27	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_65502_94467.jpg



LS view: Trash and debris at toe, cannot see any inlet/pipe.

LM Start	10.54	Rating **	C	Issue No.	183
LM End	10.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.964551 °	37.964109 °
				-121.153610 °	-121.154663 °
DWR ID	DWR_NA0017_15_s_2021_183				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

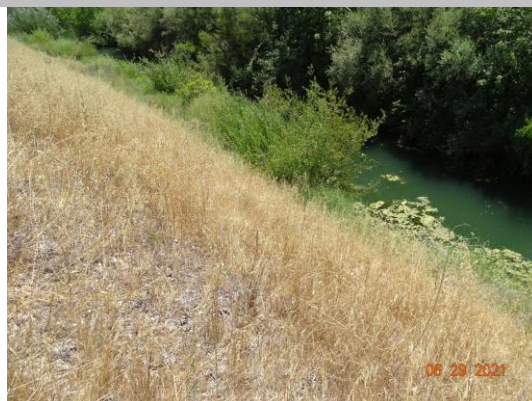
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	10.75	Rating **	A/W	Issue No.	12
LM End	10.76	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					
*This area is patrol road only and therefore the site is not rated					
06//29/2021: From 2020 to present, no significant changes were					
observed during the annual survey.					
08/28/2019: The erosion is located at the lower slope of the channel					
bank and covered by dense vegetation.					
LM Start	10.75	Rating **	A/W	Issue No.	12 (cont)
LM End	10.76	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021_NA0017U15RM12.12_1.JPG



6/29/2021: View of the slope looking upstream. The erosion is covered by dense vegetation.

Photo 2 of 2 : SJR2021_DWR_NA0017_15_s _ 2018_143_4.JPG



8/28/2019: View of the erosion from the opposite bank.

LM Start	11.06	Rating **	C	Issue No.	139
LM End	11.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.961499 °	37.961499 °
				-121.162031 °	-121.162031 °
DWR ID	DWR_NA0017_15_f _ 2020_139				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	11.19	Rating **	C	Issue No.	289
LM End	11.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.960968 °	37.960968 °	
			-121.164127 °	-121.164127 °	
DWR ID	DWR_NA0017_15_s _ 2020_289				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	11.40	Rating **	M	Issue No.	182
LM End	11.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.960791 °	37.960791 °	
			-121.167979 °	-121.167979 °	
DWR ID	DWR_NA0017_15_s _ 2021_182				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	11.41	Rating **	U	Issue No.	1204
LM End	11.41	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.960784 °	37.960784 °
				-121.168119 °	-121.168119 °
DWR ID	23243				
Comment Code					
Inspector Comment					
DS_ID:23243 FS_ID:67088 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 03/25/2021 The record has been upgraded from Non-Urgent to Urgent. Pipe is heavily grouted around on WS, fairly hidden. No flapgate, open on both ends. DWR DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (H. Dunn – GEI)					
04/14/2014 Distorted outlet pipe on waterside. (P. Andy - DWR UCIP) 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: 3/25/2021					

LM Start	11.41	Rating **	U	Issue No.	1204 (cont)
LM End	11.41	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67088_94524.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2021_67088_94526.jpg



LS view: Headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	11.41	Rating **	U	Issue No.	1204 (cont)	
LM End	11.41	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.960784 °	37.960784 °	
				-121.168119 °	-121.168119 °	
DWR ID	23243					

Photo 3 of 3 : UCIP_FA_2021_67088_94527.jpg



LS view: Inside pipe inlet.

LM Start	11.55	Rating **	M	Issue No.	1205
LM End	11.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.960961 °	37.960961 °
				-121.170662 °	-121.170662 °
DWR ID	23244				

Photo 1 of 3 : UCIP_FA_2021_67087_94534.jpg



Levee crown looking upstream.

Comment Code					
Inspector Comment					
DS_ID:23244 FS_ID:67087 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 03/25/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (H. Dunn – GEI) 04/14/2014 New pipe and flapgate. (P. Andy - DWR UCIP) 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: 3/25/2021					

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	11.55	Rating **	M	Issue No.	1205 (cont)
LM End	11.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.960961 °	37.960961 °
				-121.170662 °	-121.170662 °
DWR ID	23244				

Photo 2 of 3 : UCIP_FA_2021_67087_94536.jpg



LS view: Headwall at toe.

LM Start	11.55	Rating **	M	Issue No.	1205 (cont)
LM End	11.55	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67087_94537.jpg



LS view: Inside of pipe inlet.

LM Start	12.01	Rating **	C	Issue No.	281
LM End	12.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.962040 °	37.962040 °
				-121.179086 °	-121.179086 °
DWR ID	DWR_NA0017_15_s_2020_281				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	12.39	Rating **	M	Issue No.	1208
LM End	12.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.961206 °	37.961206 °
				-121.185819 °	-121.185819 °
DWR ID	23247				
Comment Code					
Inspector Comment					
DS_ID:23247 FS_ID:67086 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 03/25/2021 The record has been upgraded from No Action Needed to Non- Urgent. DWR DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0, Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (H. Dunn – GEI) 04/14/2014 May need mud and debris cleaning. (P. Andy - DWR UCIP) 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: 3/25/2021					

Photo 1 of 3 : UCIP_FA_2021_67086_94583.jpg



Levee crown looking upstream.

LM Start	12.39	Rating **	M	Issue No.	1208 (cont)
LM End	12.39	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_67086_94578.jpg



LS view: Headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	12.39	Rating **	M	Issue No.	1208 (cont)
LM End	12.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.961206 °	37.961206 °
				-121.185819 °	-121.185819 °
DWR ID	23247				

Photo 3 of 3 : UCIP_FA_2021_67086_94580.jpg



WS view: Headwall and flapgates at toe.

LM Start	12.39	Rating **	U	Issue No.	1209
LM End	12.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.961205 °	37.961205 °
				-121.185839 °	-121.185839 °
DWR ID	23454				

Comment Code

Inspector Comment

DS_ID:23454
 FS_ID:67085
 EP_NO: N/A
 Repair Type: Urgent
 EVAL Issue: Pipe Integrity
 Crossing Status: Found
 UCIP Comments: 03/25/2021 The record has been upgraded from No Action Needed to Urgent. Significant peeling of metal inside LS pipe. DWR DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (H. Dunn – GEI) 04/14/2014 May need mud and debris cleaning. (P. Andy - DWR UCIP)
 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: 3/25/2021

Photo 1 of 3 : UCIP_FA_2021_67085_94588.jpg



Levee crown 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	12.39	Rating **	U	Issue No.	1209 (cont)
LM End	12.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.961205 °	37.961205 °
				-121.185839 °	-121.185839 °
DWR ID	23454				

Photo 2 of 3 : UCIP_FA_2021_67085_94591.jpg



LS view: Headwall at toe.

LM Start	12.39	Rating **	U	Issue No.	1209 (cont)
LM End	12.39	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67085_94596.jpg



LS view: Peeling of metal inside pipe.

LM Start	12.42	Rating **	M	Issue No.	278
LM End	12.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.961183 °	37.961183 °
				-121.186358 °	-121.186358 °
DWR ID	DWR_NA0017_15_s_2020_278				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	12.56	Rating **	U	Issue No.	1211	
LM End	12.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.961082 °	37.961082 °	
				-121.189020 °	-121.189020 °	
DWR ID	23249					
Comment Code						
Inspector Comment						
DS_ID:23249 FS_ID:66972 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 03/25/2021 The record has been upgraded from No Action Needed to Urgent. DWR DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Minor erosion along LS headwall edges. Unknown plastic pipe underground adjacent to LS headwall, does not go through the levee. Crossing will be monitored until funding becomes available to address the issues. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (H. Dunn – GEI) 04/14/2014 May need cleaning of pipes. Flood wall on waterside shoulder. (P. Andy - DWR UCIP) 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: 3/25/2021						

LM Start	12.56	Rating **	U	Issue No.	1211 (cont)
LM End	12.56	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66972_94611.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2021_66972_94616.jpg



LS view: Close up of pipe inlet.

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	12.56	Rating **	U	Issue No.	1211 (cont)	
LM End	12.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.961082 °	37.961082 °	
				-121.189020 °	-121.189020 °	
DWR ID	23249					

Photo 3 of 3 : UCIP_FA_2021_66972_94613.jpg



LS view: Headwall at toe from crown.

LM Start	12.94	Rating **	C	Issue No.	251
LM End	12.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.960670 °	37.961043 °
				-121.195482 °	-121.196200 °
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

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	13.15	Rating **	M	Issue No.	1215
LM End	13.15	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.961186 °	37.961186 °	
			-121.199150 °	-121.199150 °	

DWR ID	23252
--------	-------

Comment Code	
--------------	--

Inspector Comment	
-------------------	--

DS_ID:23252
FS_ID:66975
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 03/25/2021 Pipe status is still Non-Urgent. DWR DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (H. Dunn – GEI)

04/14/2014 Needs pipe cleaning. (P. Andy - DWR UCIP)
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: 3/25/2021

LM Start	13.15	Rating **	M	Issue No.	1215 (cont)
LM End	13.15	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66975_94652.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2021_66975_94646.jpg



LS view: Headwall and slope at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	13.15	Rating **	M	Issue No.	1215 (cont)
LM End	13.15	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.961186 °	37.961186 °	
			-121.199150 °	-121.199150 °	
DWR ID	23252				

Photo 3 of 3 : UCIP_FA_2021_66975_94654.jpg



LS view: Headwall at toe from crown.

LM Start	13.47	Rating **	M	Issue No.	1217
LM End	13.47	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.961446 °	37.961446 °	
			-121.204389 °	-121.204389 °	
DWR ID	23254				

Comment Code

Inspector Comment

DS_ID:23254
 FS_ID:66977
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 03/25/2021 Pipe status is still Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (H. Dunn – GEI) 04/14/2014 Needs cleaning. (P. Andy - DWR UCIP)
 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: 3/25/2021

Photo 1 of 3 : UCIP_FA_2021_66977_95094.jpg



Levee crown 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	13.47	Rating **	M	Issue No.	1217 (cont)
LM End	13.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.961446 °	37.961446 °
				-121.204389 °	-121.204389 °
DWR ID	23254				

Photo 2 of 3 : UCIP_FA_2021_66977_95095.jpg



LS view: Headwall visible at toe from crown.

LM Start	13.47	Rating **	M	Issue No.	1217 (cont)
LM End	13.47	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66977_95097.jpg



LS view: Inside pipe inlet.

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	13.50	Rating **	U	Issue No.	1219
LM End	13.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.961696 °	37.961696 °
				-121.204944 °	-121.204944 °
DWR ID	23257				
Comment Code					
Inspector Comment					
DS_ID:23257 FS_ID:66979 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 03/22/2021 The record has been upgraded from No Action Needed to Urgent. DWR DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Jauregui. (H. Dunn – GEI) 04/14/2014 May need cleaning. (P. Andy - DWR UCIP) 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: 3/22/2021					

Photo 1 of 3 : UCIP_FA_2021_66979_95108.jpg



Levee crown looking upstream.

LM Start	13.50	Rating **	U	Issue No.	1219 (cont)
LM End	13.50	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66979_95110.jpg



LS view: Headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	13.50	Rating **	U	Issue No.	1219 (cont)
LM End	13.50	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.961696 °	37.961696 °	
			-121.204944 °	-121.204944 °	
DWR ID	23257				

Photo 3 of 3 : UCIP_FA_2021_66979_95109.jpg



LS view: Headwall visible at toe from crown.

LM Start	13.64	Rating **	C	Issue No.	270
LM End	14.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.962887 °	37.970739 °
				-121.207077 °	-121.222477 °
DWR ID	DWR_NA0017_15_s_2020_270				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	15.28	Rating **	U	Issue No.	1229
LM End	15.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.975060 °	37.975060 °
				-121.232719 °	-121.232719 °
DWR ID	23188				
Comment Code					
Inspector Comment					
DS_ID:23188 FS_ID:66990 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 03/22/2021 The record has been upgraded from No Action Needed to Urgent. DWR DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Jauregui. (H. Dunn – GEI) 04/15/2014 May need cleaning. (P. Andy - DWR UCIP) 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: 3/22/2021					

Photo 1 of 3 : UCIP_FA_2021_66990_95201.jpg



Levee crown looking upstream.

LM Start	15.28	Rating **	U	Issue No.	1229 (cont)
LM End	15.28	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_66990_95203.jpg



LS view: Headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	15.28	Rating **	U	Issue No.	1229 (cont)
LM End	15.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.975060 °	37.975060 °
				-121.232719 °	-121.232719 °
DWR ID	23188				

Photo 3 of 3 : UCIP_FA_2021_66990_95202.jpg



LS view: Headwall visible at toe from crown.

LM Start	15.37	Rating **	C	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					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	15.40	Rating **	M	Issue No.	1230
LM End	15.40	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.975790 °	37.975790 °
				-121.234609 °	-121.234609 °
DWR ID	23189				
Comment Code					
Inspector Comment					
DS_ID:23189 FS_ID:66992 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 03/22/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Jauregui. (H. Dunn – GEI) 04/15/2014 May need cleaning. (P. Andy - DWR UCIP) 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: 3/22/2021					

LM Start	15.40	Rating **	M	Issue No.	1230 (cont)
LM End	15.40	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_66992_95208.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2021_66992_95210.jpg



LS view: Headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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**

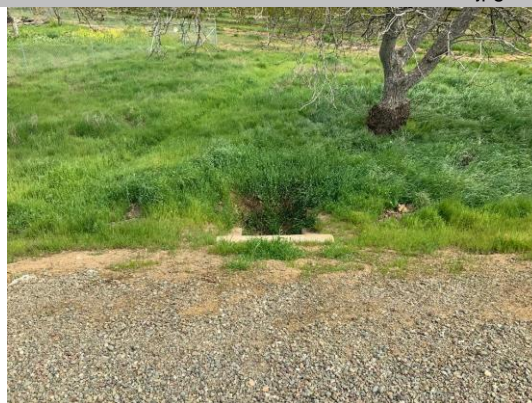
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	15.40	Rating **	M	Issue No.	1230 (cont)
LM End	15.40	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.975790 °	37.975790 °
				-121.234609 °	-121.234609 °
DWR ID	23189				

Photo 3 of 3 : UCIP_FA_2021_66992_95209.jpg



LS view: Headwall visible at toe from crown.

LM Start	15.40	Rating **	C	Issue No.	194
LM End	15.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.975839 °	37.976042 °
				-121.234763 °	-121.235213 °
DWR ID	DWR_NA0017_15_f_2020_194				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	15.49	Rating **	C	Issue No.	245
LM End	15.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.976403 °	37.976403 °
				-121.236093 °	-121.236093 °
DWR ID	DWR_NA0017_15_f_2019_245				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	15.57	Rating **	C	Issue No.	161
LM End	15.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.976972 °	37.977122 °	
			-121.237496 °	-121.237834 °	
DWR ID	DWR_NA0017_15_s_2021_161				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	15.64	Rating **	M	Issue No.	249
LM End	15.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.977448 °	37.978384 °	
			-121.238627 °	-121.240711 °	
DWR ID	DWR_NA0017_15_f_2021_249				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	15.65	Rating **	M	Issue No.	159
LM End	15.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.977489 °	37.977489 °	
			-121.238706 °	-121.238706 °	
DWR ID	DWR_NA0017_15_s_2021_159				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	16.42	Rating **	C	Issue No.	156
LM End	16.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.982942 °	37.982942 °	
			-121.251156 °	-121.251156 °	
DWR ID	DWR_NA0017_15_s_2021_156				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	16.77	Rating **	C	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

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

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	17.40	Rating **	M	Issue No.	1246	
LM End	17.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.989509 °	37.989509 °	
				-121.266860 °	-121.266860 °	
DWR ID	23265					
Comment Code						
Inspector Comment						
DS_ID:23265 FS_ID:67012 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 03/22/2021 The record has been upgraded from No Action Needed to Non-Urgent. DWR DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Jauregui. (H. Dunn – GEI) 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: 3/22/2021						

Photo 1 of 3 : UCIP_FA_2021_67012_95332.jpg



Levee crown 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	17.40	Rating **	M	Issue No.	1246 (cont)
LM End	17.40	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.989509 °	37.989509 °	
			-121.266860 °	-121.266860 °	
DWR ID	23265				

Photo 2 of 3 : UCIP_FA_2021_67012_95334.jpg



LS view: Slope from toe, stairs and standpipe.

LM Start	17.40	Rating **	M	Issue No.	1246 (cont)
LM End	17.40	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67012_95333.jpg



LS view: Toe from crown, pump station and standpipes.

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

**** Rating**
A : Acceptable N : Not Inspected/Rated
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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	17.40	Rating **	M	Issue No.	1247
LM End	17.40	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.989520 °	37.989520 °	
			-121.266878 °	-121.266878 °	
DWR ID	23460				

Comment Code

Inspector Comment

DS_ID:23460
FS_ID:67013
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 03/22/2021 The record has been upgraded from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Jauregui. (H. Dunn – GEI) 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: 14-inch steel drainage pipe 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: 3/22/2021

LM Start	17.40	Rating **	M	Issue No.	1247 (cont)
LM End	17.40	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67013_95344.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2021_67013_95347.jpg



LS view: Slope from toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	17.40	Rating **	M	Issue No.	1247 (cont)	
LM End	17.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.989520 °	37.989520 °	
				-121.266878 °	-121.266878 °	
DWR ID	23460					

Photo 3 of 3 : UCIP_FA_2021_67013_95346.jpg



LS view: Toe from crown, pump station and risers.

LM Start	17.41	Rating **	M	Issue No.	1248	
LM End	17.41	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.989523 °		37.989523 °
				-121.266886 °		-121.266886 °
DWR ID	23461					

Comment Code

Inspector Comment

DS_ID:23461
 FS_ID:67014
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 03/22/2021 The record has been upgraded from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Jauregui. (H. Dunn – GEI) 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: 14-inch steel drainage pipe 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: 3/22/2021

Photo 1 of 3 : UCIP_FA_2021_67014_95356.jpg



Levee crown 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	17.41	Rating **	M	Issue No.	1248 (cont)	
LM End	17.41	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.989523 °	37.989523 °	
				-121.266886 °	-121.266886 °	
DWR ID	23461					

Photo 2 of 3 : UCIP_FA_2021_67014_95358.jpg



LS view: Slope from toe.

LM Start	17.41	Rating **	M	Issue No.	1248 (cont)
LM End	17.41	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67014_95357.jpg



LS view: Toe from crown, pump station and risers.

LM Start	17.56	Rating **	M	Issue No.	120
LM End	17.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.990434 °	37.990434 °
				-121.269359 °	-121.269359 °
DWR ID	DWR_NA0017_15_s_2021_120				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	17.66	Rating **	M	Issue No.	1251
LM End	17.66	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.991126 °	37.991126 °	
			-121.271062 °	-121.271062 °	
DWR ID	23267				

Comment Code

Inspector Comment

DS_ID:23267
FS_ID:67018
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Safety Issue
Crossing Status: Found
UCIP Comments: 03/12/2021 Pipe status is still Non-Urgent. No cover on LS riser. Could not inspect LS pipe end due to fence for golf course. DWR DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was not found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Jauregui. (H. Dunn – GEI) 04/15/2014 CMP riser needs cleaning. (P. Taroq - DWR UCIP)
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: 3/12/2021

LM Start	17.66	Rating **	M	Issue No.	1251 (cont)
LM End	17.66	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67018_96286.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2021_67018_96288.jpg



LS view: Inside metal riser, missing cover.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
N/A : Not Applicable		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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	17.66	Rating **	M	Issue No.	1251 (cont)
LM End	17.66	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.991126 °	37.991126 °	
			-121.271062 °	-121.271062 °	
DWR ID	23267				

Photo 3 of 3 : UCIP_FA_2021_67018_96287.jpg



LS view: Toe from crown, fence behind CMP riser, cannot access.

LM Start	17.76	Rating **	M	Issue No.	248
LM End	17.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.991937 °	37.991937 °
				-121.272495 °	-121.272495 °
DWR ID	DWR_NA0017_15_f_2021_248				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	18.17	Rating **	M	Issue No.	1253	
LM End	18.17	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.994695 °	37.994695 °	
				-121.278191 °	-121.278191 °	
DWR ID	23462					
Comment Code						
Inspector Comment						
DS_ID:23462 FS_ID:67020 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 03/12/2021 The record has been upgraded from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Jauregui. (H. Dunn – GEI) 04/15/2014 Slide gate in a concrete box on landside shoulder. (P. Tariq - DWR UCIP)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: 3/12/2021						

Photo 1 of 3 : UCIP_FA_2021_67020_96302.jpg



Levee crown looking upstream.

LM Start	18.17	Rating **	M	Issue No.	1253 (cont)
LM End	18.17	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_67020_96299.jpg



LS view: Headwall at toe, 1 of 2 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	18.17	Rating **	M	Issue No.	1253 (cont)
LM End	18.17	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.994695 °	37.994695 °
				-121.278191 °	-121.278191 °
DWR ID	23462				

Photo 3 of 3 : UCIP_FA_2021_67020_96300.jpg



LS view: Headwall at toe, 2 of 2 photos.

LM Start	18.17	Rating **	M	Issue No.	1254
LM End	18.17	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.994753 °	37.994753 °
				-121.278107 °	-121.278107 °
DWR ID	23269				

Comment Code

Inspector Comment

DS_ID:23269
FS_ID:67021
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Safety Issue
Crossing Status: Found
UCIP Comments: 03/12/2021 Pipe status is still Non-Urgent. WS riser is missing the cover. DWR DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. Some minor erosion above the WS headwall and a foot wide hole under the riprap on one outer edge of the headwall, see pics. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Jauregui. (H. Dunn – GEI) 04/15/2014 Slide gate handle missing. Vegetation on both inlet and outlet box. (P. Tariq - DWR UCIP)
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: 3/12/2021

Photo 1 of 3 : UCIP_FA_2021_67021_96316.jpg



LS view: Headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	18.17	Rating **	M	Issue No.	1254 (cont)
LM End	18.17	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.994753 °	37.994753 °
				-121.278107 °	-121.278107 °
DWR ID	23269				

Photo 2 of 3 : UCIP_FA_2021_67021_96317.jpg



LS view: Inside pipe inlet.

LM Start	18.17	Rating **	M	Issue No.	1254 (cont)
LM End	18.17	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67021_96315.jpg



LS view: Toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	18.32	Rating **	U	Issue No.	1255	
LM End	18.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.994938 °		37.994938 °
				-121.275529 °		-121.275529 °
DWR ID	23270					
Comment Code						
Inspector Comment						
DS_ID:23270 FS_ID:64907 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 03/12/2021 The record has been upgraded from No Action Needed to Urgent. Inside of LS pipe is protruded down and there is metal peeling away around the pipe a few feet in. Recommend internal video inspection to verify pipe integrity. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Jauregui. (H. Dunn – GEI) 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: 3/12/2021						

Photo 1 of 3 : UCIP_FA_2021_64907_96320.jpg



Levee crown looking upstream.

LM Start	18.32	Rating **	U	Issue No.	1255 (cont)
LM End	18.32	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_64907_96323.jpg



LS view: Headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	18.32	Rating **	U	Issue No.	1255 (cont)	
LM End	18.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.994938 °	37.994938 °	
				-121.275529 °	-121.275529 °	
DWR ID	23270					

Photo 3 of 3 : UCIP_FA_2021_64907_96322.jpg



LS view: Headwall visible at toe from crown.

LM Start	18.88	Rating **	M	Issue No.	1257
LM End	18.88	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.000116 °	38.000116 °
				-121.269301 °	-121.269301 °
DWR ID	23464				

Comment Code

Inspector Comment

DS_ID:23464
 FS_ID:67023
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Maintenance Compliance Issue
 Crossing Status: Found
 UCIP Comments: 03/12/2021 The record has been upgraded from No Action Needed to Non-Urgent. Vegetation debris and trash seen in LS pipe, recommend cleaning out. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Jauregui. (H. Dunn – GEI) 04/15/2014 Slide gate in a concrete box on waterside shoulder. (P. tariq - DWR UCIP)
 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: 3/12/2021

Photo 1 of 3 : UCIP_FA_2021_67023_96339.jpg



Levee crown 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	18.88	Rating **	M	Issue No.	1257 (cont)	
LM End	18.88	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.000116 °	38.000116 °	
				-121.269301 °	-121.269301 °	
DWR ID	23464					

Photo 2 of 3 : UCIP_FA_2021_67023_96341.jpg



LS view: Headwall at toe.

LM Start	18.88	Rating **	M	Issue No.	1257 (cont)
LM End	18.88	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67023_96340.jpg



LS view: Headwall visible at toe from crown.

LM Start	18.95	Rating **	M	Issue No.	244
LM End	19.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.000052 °	37.995259 °
				-121.270590 °	-121.276115 °
DWR ID	DWR_NA0017_15_f_2021_244				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	19.50	Rating **	M	Issue No.	133
LM End	19.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.995249 °	37.995249 °
				-121.277599 °	-121.277599 °
DWR ID	DWR_NA0017_15_s_2021_133				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	19.81	Rating **	C	Issue No.	211
LM End	19.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.994206 °	37.994206 °
				-121.283003 °	-121.283003 °
DWR ID	DWR_NA0017_15_s_2020_211				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	19.87	Rating **	C	Issue No.	209
LM End	19.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.993836 °	37.993836 °
				-121.283852 °	-121.283852 °
DWR ID	DWR_NA0017_15_s_2020_209				
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	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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	19.87	Rating **	C	Issue No.	231
LM End	19.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.993829 °	37.993800 °	
			-121.283927 °	-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

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	19.97	Rating **	U	Issue No.	1263
LM End	19.97	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.993645 °	37.993645 °
				-121.285805 °	-121.285805 °
DWR ID	23274				
Comment Code					
Inspector Comment					
DS_ID:23274 FS_ID:67031 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 03/12/2021 Record has been upgraded from Non-Urgent to Urgent. DWR DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. Cannot see LS manhole due to vegetation debris. WS flapgate overgrown with vegetation, recommend clearing. Based on previous inspection, a concrete block was found within the pipe so it is presumed abandoned, need confirmation from the owner. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Jauregui. (H. Dunn – GEI)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: 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: 3/12/2021					

Photo 1 of 3 : UCIP_FA_2021_67031_96403.jpg



Levee crown 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

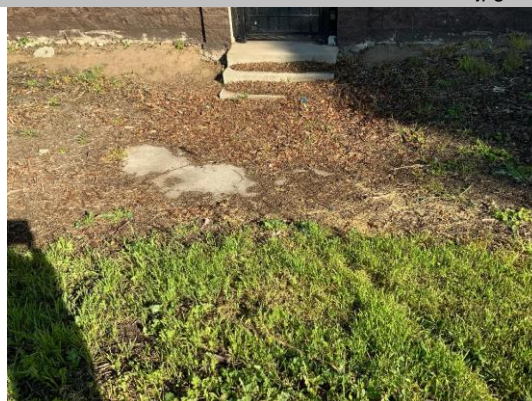
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	19.97	Rating **	U	Issue No.	1263 (cont)
LM End	19.97	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.993645 °	37.993645 °
				-121.285805 °	-121.285805 °
DWR ID	23274				

Photo 2 of 3 : UCIP_FA_2021_67031_96405.jpg



LS view: Manhole at toe not visible due to vegetation debris.

LM Start	19.97	Rating **	U	Issue No.	1263 (cont)
LM End	19.97	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67031_96406.jpg



LS view: Slope from toe.

LM Start	20.00	Rating **	N	Issue No.	103
LM End	20.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.993586 °	37.993586 °
				-121.286275 °	-121.286275 °
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	20.92	Rating **	M	Issue No.	165
LM End	20.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.992012 °	37.992012 °
				-121.302761 °	-121.302761 °
DWR ID	DWR_NA0017_15_s_2020_165				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0017_159_165_20210913_00048.jpg



View of pedestrian path on landside slope. Spring 2020

LM Start	22.26	Rating **	M	Issue No.	134
LM End	22.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.980937 °	37.980937 °
				-121.319809 °	-121.319809 °
DWR ID	DWR_NA0017_15_s_2020_134				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0017_159_134_20211019_00507.jpg



View of pedestrian path on landside slope. Fall 2021

LM Start	22.47	Rating **	M	Issue No.	126
LM End	22.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.981644 °	37.981644 °
				-121.323532 °	-121.323532 °
DWR ID	DWR_NA0017_15_s_2020_126				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	22.53	Rating **	M	Issue No.	122
LM End	22.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.981824 °	37.981824 °
				-121.324590 °	-121.324590 °
DWR ID	DWR_NA0017_15_s_2021_122				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

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					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0017_159_190_20211019_00506.jpg



View of broken off tree branch on landside slope. Fall 2021

LM Start	23.39	Rating **	M	Issue No.	169
LM End	23.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.980029 °	37.980029 °
				-121.339587 °	-121.339587 °
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_2021_NA0017_159_169_20211019_00505.jpg



View of untrimmed tree along landside easement. Fall 2021

*** Location**

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

**** Rating**

A : Acceptable N : Not Inspected/Rated
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 2021

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	10/19/2021 10/19/2021	Alberto De Leon

LM Start	23.55	Rating **	A/W	Issue No.	223
LM End	23.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			37.979282 °	37.979282 °
				-121.341686 °	-121.341686 °
DWR ID	DWR_NA0017_15_f_2016_223				
Comment Code					
Inspector Comment					
Wrong revetment size was placed by Caltrans in Fall 2012 under permit #18562. An NOV was issued to Caltrans. They repaired the left bank, but have not repaired the right bank of the levee. Caltrans will be responsible for any repairs at this location.					

Photo 1 of 1 : FA_2021_NA0017_159_223_20210913_00064.jpg



View of deteriorating revetments on the waterside toe of the levee. The picture was taken from the opposite side of the levee. Fall 2016

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 N : Not Inspected/Rated
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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	0.00	Rating **	A/W	Issue No.	193
LM End	11.14	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.050918 °	37.960280 °
				-121.012115 °	-121.164353 °
DWR ID	DWR_NA0017_16_f_2013_193				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
This portion of the unit contains a non-project levee and access road. Accordingly, the only issues rated along this stretch affect access and the ability to inspect the channel. Other issues found have been rated "A/W."					

No Photos

LM Start	0.22	Rating **	A/W	Issue No.	10
LM End	0.37	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					
*This area is patrol road only and therefore the site is not rated					
06/23/2021: From 2018 to present, no significant changes were					
observed during the annual survey.					
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.					

Photo 1 of 3 : SJR2021_NA0017U16RM23.35_1.JPG



6/23/2021: View of the upstream end 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	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	0.22	Rating **	A/W	Issue No.	10 (cont)
LM End	0.37	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				

Photo 2 of 3 : SJR2021_NA0017U16RM23.35_3.JPG



6/23/2021: View of the erosion from the opposite bank.

LM Start	0.22	Rating **	A/W	Issue No.	10 (cont)
LM End	0.37	Issue Type +	Ma	Location *	

Photo 3 of 3 : SJR2021_NA0017U16RM23.35_5.JPG



6/23/2021: View of the erosion near the downstream end.

LM Start	0.44	Rating **	C	Issue No.	178
LM End	0.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.047264 °	38.046762 °
				-121.018826 °	-121.019727 °
DWR ID	DWR_NA0017_16_s_2021_178				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	0.69	Rating **	N	Issue No.	216
LM End	0.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.045531 °	38.045531 °
				-121.022881 °	-121.022881 °
DWR ID	DWR_NA0017_16_s_2012_216				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	0.93	Rating **	A/W	Issue No.	11	
LM End	0.96	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			38.042730 °		38.042730 °
				-121.025722 °		-121.025722 °
DWR ID	NA0017U16RM22.74					
Comment Code						
Inspector Comment						
Site ID: NA0017U16RM22.74						
*This area is patrol road only and therefore the site is not rated						
06/23/2021: From 2013 to present, no significant changes were						
observed during the annual survey. The erosion length was updated to						
180 ft based on more accurate field measurements.						
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. There is a drainage pipe at the site, which						
might have caused the problem at one pocket erosion.						

Photo 1 of 1 : SJR2021_NA0017U16RM22.74_3.JPG



6/23/2021: View of the erosion from the 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	1.12	Rating **	A/W	Issue No.	13
LM End	1.13	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

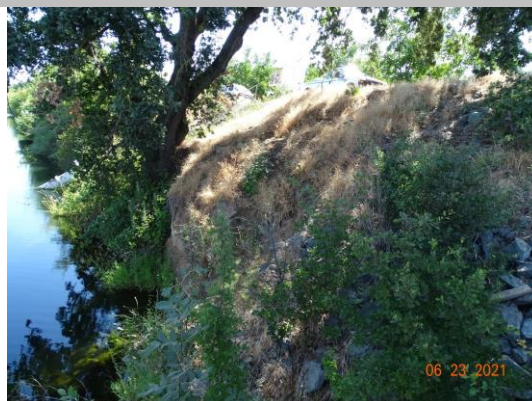
*This area is patrol road only and therefore the site is not rated
06/23/2021: No significant changes were observed since the previous inspection.

07/23/2020: The site has less vegetation and more bare soil on the upper slope since the previous inspection. Some sloughing was also observed.

08/28/2019: From 2013 to 2019, no significant changes were observed during the annual survey.

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.

Photo 1 of 1 : SJR2021_NA0017U16RM22.58_2.JPG



6/23/2021: Close-up view of the erosion looking upstream.

LM Start	1.43	Rating **	C	Issue No.	209
LM End	1.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.039633 °	38.039633 °	
			-121.033222 °	-121.033222 °	

No Photos

DWR ID DWR_NA0017_16_s_2020_209

Comment Code

T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

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

** Rating
A : Acceptable N : Not Inspected/Rated
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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	1.51	Rating **	C	Issue No.	210
LM End	1.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.039524 °	38.039524 °
				-121.034646 °	-121.034646 °
DWR ID	DWR_NA0017_16_s_2020_210				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.55	Rating **	A/W	Issue No.	4
LM End	1.56	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.039394 °	38.039394 °
				-121.035289 °	-121.035289 °
DWR ID	NA0017U16RM22.16				
Comment Code					
Inspector Comment					
Site ID: NA0017U16RM22.16					
*This area is patrol road only and therefore the site is not rated					
06/23/2021: The site was discovered during the field survey. The erosion is just downstream of a weir. There is some caving and sloughing visible on the slope and a large, 1.5-ft long and 0.8-ft wide rodent hole at the toe.					

Photo 1 of 2 : SJR2021_NA0017U16RM22.16_1.JPG



6/23/2021: View of the erosion from the opposite bank.

LM Start	1.55	Rating **	A/W	Issue No.	4 (cont)
LM End	1.56	Issue Type +	Ma	Location *	

Photo 2 of 2 : SJR2021_NA0017U16RM22.16_2.JPG



6/23/2021: View of the erosion and large animal hole in the center at the toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	1.58	Rating **	C	Issue No.	183
LM End	1.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.039211 °	38.039211 °
				-121.035780 °	-121.035780 °
DWR ID	DWR_NA0017_16_s_2021_183				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.63	Rating **	C	Issue No.	211
LM End	1.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.038934 °	38.038823 °
				-121.036657 °	-121.036952 °
DWR ID	DWR_NA0017_16_s_2020_211				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	1.67	Rating **	A/W	Issue No.	14
LM End	1.68	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

*This area is patrol road only and therefore the site is not rated
06/23/2021: From 2013 to present, no significant changes were observed during the annual survey. This site was combined with a site immediately downstream (NA0017U016RM22.01) and the erosion length increased to 40 ft.
08/22/2012: The berm is estimated at 10 ft. Dense vegetation on site. There is no levee structure on site.

LM Start	1.67	Rating **	A/W	Issue No.	14 (cont)
LM End	1.68	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021_NA0017U16RM22.15_1.JPG



6/23/2021: View of the erosion from the opposite bank.

Photo 2 of 2 : SJR2021_NA0017U16RM22.01_02.JPG



7/23/2020: View of the erosion from the opposite 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	1.69	Rating **	C	Issue No.	188
LM End	1.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.038553 °	38.038553 °
				-121.037621 °	-121.037621 °
DWR ID	DWR_NA0017_16_s_2021_188				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.72	Rating **	A/W	Issue No.	18	
LM End	1.78	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						
*This area is patrol road only and therefore the site is not rated						
06/23/2021: From 2013 to present, no significant changes were						
observed during the annual survey. The scarp is nearly vertical at the						
toe. This site was combined with a site immediately downstream						
(NA0017U16RM21.94) and the erosion length increased to 320 ft.						
08/22/2012: The erosion is covered by dense vegetation. There is no						
levee structure on site.						

Photo 1 of 2 : SJR2021_NA0017U16RM21.95_2.JPG



6/23/2021: View of the erosion from the 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

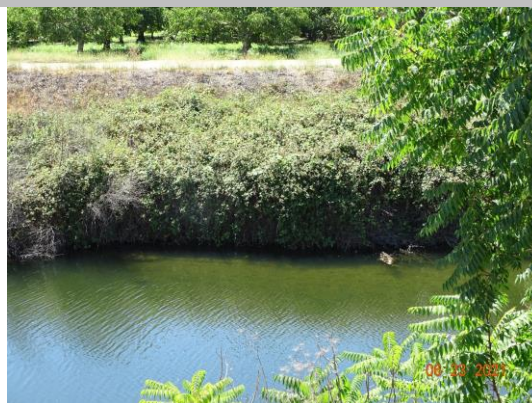
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	1.72	Rating **	A/W	Issue No.	18 (cont)
LM End	1.78	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				

Photo 2 of 2 : SJR2021_NA0017U16RM21.95_5.JPG



6/23/2021: View of the erosion further downstream.

LM Start	1.81	Rating **	C	Issue No.	194
LM End	1.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.037470 °	38.037470 °
				-121.039346 °	-121.039346 °
DWR ID	DWR_NA0017_16_f_2020_194				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	1.87	Rating **	A/W	Issue No.	21
LM End	1.92	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

*This area is patrol road only and therefore the site is not rated

06/23/2021: The erosion length was updated to 290 ft based on more accurate field measurements. Otherwise, no significant changes were observed since the previous inspection.

07/23/2020: From 2013 to present, no significant changes were observed during the annual survey. This site was combined with a site immediately downstream (NA0017U16RM21.03). The erosion is just up and downstream of an irrigation pipe crossing (see DSIDs 23321/24938).

08/22/2012: Berm width is estimated as 5 ft. There is no levee structure on site.

LM Start	1.87	Rating **	A/W	Issue No.	21 (cont)
LM End	1.92	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021_NA0017U16RM21.05_1.JPG



6/23/2021: View of the erosion from the opposite bank.

Photo 2 of 2 : SJR2021_NA0017U16RM21.05_2.JPG



6/23/2021: View of the erosion just upstream of the 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	2.12	Rating **	C	Issue No.	190
LM End	2.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.033950 °	38.033950 °
				-121.042807 °	-121.042807 °
DWR ID	DWR_NA0017_16_s_2021_190				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.26	Rating **	A/W	Issue No.	22
LM End	2.27	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					
*This area is patrol road only and therefore the site is not rated					
06/23/2021: From 2013 to present, no significant changes were					
observed during the annual survey. The erosion length was updated to					
75 ft based on more accurate field measurements.					
08/22/2012: Site is covered with dense vegetation. There is no levee					
structure on site.					

Photo 1 of 1 : SJR2021_NA0017U16RM20.71_1.JPG



6/23/2021: View of the erosion from the opposite 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	2.29	Rating **	A/W	Issue No.	37
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					
*This area is patrol road only and therefore the site is not rated					
06/23/2021: From 2013 to present, no significant changes were					
observed during the annual survey. The erosion length was updated to					
120 ft based on more accurate field measurements.					
08/22/2012: The erosion was first reported in the 2012 spring levee					
inspection report. There is no levee structure on site.					

LM Start	2.29	Rating **	A/W	Issue No.	37 (cont)
LM End	2.31	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021_NA0017U16RM20.62_1.JPG



6/23/2021: View of the erosion from the opposite bank.

Photo 2 of 2 : SJR2021_NA0017U16RM20.62_3.JPG



6/23/2021: Another view of the erosion from the opposite 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	2.36	Rating **	C	Issue No.	192
LM End	2.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.031578 °	38.031578 °
				-121.046036 °	-121.046036 °
DWR ID	DWR_NA0017_16_s_2021_192				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.37	Rating **	C	Issue No.	195
LM End	2.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.031542 °	38.031542 °
				-121.046039 °	-121.046039 °
DWR ID	DWR_NA0017_16_f_2020_195				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.44	Rating **	M	Issue No.	247
LM End	2.44	Issue Type +	Ma	Location *	WS
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			38.030668 °	38.030668 °
				-121.046842 °	-121.046842 °
DWR ID	DWR_NA0017_16_f_2017_247				
Comment Code					
Inspector Comment					
Arundo in the channel may decrease the capacity of the channel.					

Photo 1 of 1 : FA_2021_NA0017_160_247_20210913_00115.jpg



View of Arundo within the channel looking downstream. Spring 2021

*** Location**

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

**** Rating**

A : Acceptable N : Not Inspected/Rated
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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	2.45	Rating **	M	Issue No.	335
LM End	2.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.030548 °	38.030548 °
				-121.046998 °	-121.046998 °
DWR ID	23323				
Comment Code					
Inspector Comment					
DS_ID:23323 FS_ID:65963 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 03/09/2021 Record remains Non-Urgent. Unit 16 – Mormon Slough (CLM 0 to 11) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 to 11 of Unit 16 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. Current condition of pipe crossing does not impede access to patrol road/high ground area. Access limited to pipe inlet due to fencing. Pipe inlet appears bent and partly filled with sediment. Briar bush and vegetation overgrowth limiting visibility of WS slope. No permit has been identified authorizing utility. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (N. Cholewinski - GEI)04/24/2014 Heavy vegetation obscuring outlet. remove vegetation and verify flapgate installed. (W. Wylie - DWR UCIP) 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: 3/9/2021					

Photo 1 of 3 : UCIP_FA_2021_65963_95459.jpg



Crossing Overview

LM Start	2.45	Rating **	M	Issue No.	335 (cont)
LM End	2.45	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_65963_95460.jpg



LS View

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	2.45	Rating **	M	Issue No.	335 (cont)
LM End	2.45	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.030548 °	38.030548 °
				-121.046998 °	-121.046998 °
DWR ID	23323				

Photo 3 of 3 : UCIP_FA_2021_65963_95461.jpg



LS View: Pipe inlet visible at 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	2.70	Rating **	M	Issue No.	336
LM End	2.70	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.028210 °	38.028210 °
				-121.050220 °	-121.050220 °
DWR ID	23446				

Comment Code

Inspector Comment

DS_ID:23446
FS_ID:65964
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: Unauthorized Encroachment, installed decades prior
Crossing Status: Found
UCIP Comments: 03/09/2021 Record remains Non-Urgent. Unit 16 – Mormon Slough (CLM 0 to 11) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 to 11 of Unit 16 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. Current condition of pipe crossing does not impede access to patrol road/high ground area. Briar bush overgrowth limiting access and visibility at WS slope. No flapgate at WS. No permit has been identified authorizing utility. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (N. Cholewinski - GEI)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: 3/9/2021

Photo 1 of 3 : UCIP_FA_2021_65964_95452.jpg



Crossing Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	2.70	Rating **	M	Issue No.	336 (cont)
LM End	2.70	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.028210 °	38.028210 °
				-121.050220 °	-121.050220 °
DWR ID	23446				

Photo 2 of 3 : UCIP_FA_2021_65964_95453.jpg



LS View: Pipe in drainage ditch at LS.

LM Start	2.70	Rating **	M	Issue No.	336 (cont)
LM End	2.70	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_65964_95454.jpg



LS View: Pipe in drainage ditch at 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	2.87	Rating **	A/W	Issue No.	24
LM End	2.89	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

*This area is patrol road only and therefore the site is not rated
06/23/2021: From 2013 to present, no significant changes were observed during the annual survey. The erosion length was updated to 110 ft based on more accurate field measurements.

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.

LM Start	2.87	Rating **	A/W	Issue No.	24 (cont)
LM End	2.89	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021_NA0017U16RM20_2.JPG



6/23/2021: View of the erosion from the opposite bank.

Photo 2 of 2 : SJR2021_NA0017U16RM20_3.JPG



6/23/2021: Another view of the erosion from the 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	3.15	Rating **	C	Issue No.	214
LM End	3.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.024187 °	38.024187 °
				-121.056677 °	-121.056677 °
DWR ID	DWR_NA0017_16_s_2020_214				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.47	Rating **	U	Issue No.	152
LM End	3.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.021036 °	38.020402 °
				-121.061101 °	-121.061873 °
DWR ID	DWR_NA0017_16_f_2013_152				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arundo was obstructing the inspection of the channel from the patrol road.					

Photo 1 of 1 : FA_2021_NA0017_160_152_20211020_00684.jpg



View of Arundo on the waterside shoulder. Fall 2021

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	3.61	Rating **	A/W	Issue No.	41
LM End	3.62	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					
*This area is patrol road only and therefore the site is not rated					
06/23/2021: From 2015 to present, no significant changes were					
observed during the annual survey. The erosion length was updated to					
60 ft based on more accurate field measurements.The vegetation					
growth has increased.					
08/20/2014: A pocket erosion was found near the water's edge.					

Photo 1 of 1 : SJR2021_NA0017U16RM19.29_1.JPG



6/23/2021: View of the erosion from the opposite bank.

LM Start	3.79	Rating **	A/W	Issue No.	25
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 *This area is patrol road only and therefore the site is not rated 06/23/2021: From 2013 to present, no significant changes were observed during the annual survey. The erosion length was updated to 40 ft based on more accurate field measurements. Vegetation growth has slightly increased. 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.					

Photo 1 of 1 : SJR2021_NA0017U16RM19.18_1.JPG



6/23/2021: View of the erosion from the 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	3.94	Rating **	C	Issue No.	206
LM End	3.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.015874 °	38.015571 °
				-121.066584 °	-121.066729 °
DWR ID	DWR_NA0017_16_s_2021_206				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	4.17	Rating **	A/W	Issue No.	27
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					
*This area is patrol road only and therefore the site is not rated					
06/23/2021: From 2018 to present, no significant changes were observed during the annual survey. The erosion length was updated to 50 ft based on more accurate field measurements. The slope has been burned recently. The site is located just upstream of an irrigation pipe crossing (DSIDs 23328/24945).					
08/30/2017: New erosion observed at the site, under the irrigation pipe.					
08/16/2016: From 2013 to present, no significant changes were observed during the annual survey.					
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.					

Photo 1 of 1 : SJR2021_NA0017U16RM18.69_1.JPG



6/23/2021: View of the erosion and burned slope from the 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	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	4.20	Rating **	C	Issue No.	222
LM End	4.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.012311 °	38.012311 °	
			-121.068217 °	-121.068217 °	
DWR ID	DWR_NA0017_16_s_2020_222				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	4.46	Rating **	C	Issue No.	225
LM End	4.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.008597 °	38.008412 °	
			-121.069367 °	-121.069455 °	
DWR ID	DWR_NA0017_16_s_2020_225				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	4.50	Rating **	C	Issue No.	197
LM End	4.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.008093 °	38.008093 °	
			-121.069573 °	-121.069573 °	
DWR ID	DWR_NA0017_16_f_2020_197				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	5.02	Rating **	C	Issue No.	226	
LM End	5.02	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.001673 °		38.001673 °
				-121.074205 °		-121.074205 °
DWR ID	DWR_NA0017_16_s_2020_226					
Comment Code						
T1 : Trim trees to at least five feet above ground level.						
Inspector Comment						

No Photos

LM Start	5.02	Rating **	C	Issue No.	196
LM End	5.02	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.001663 °	38.001663 °
				-121.074254 °	-121.074254 °
DWR ID	DWR_NA0017_16_s_2021_196				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	5.20	Rating **	C	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.					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	5.33	Rating **	A/W	Issue No.	29
LM End	5.37	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					
*This area is patrol road only and therefore the site is not rated					
06/29/2021: From 2013 to present, no significant changes were					
observed during the annual survey. The erosion length was updated to					
210 ft based on more accurate field measurements.					
08/22/2012: The site is located at the opposite river bank of E. Tobacco					
Road. There is no levee structure on site.					

LM Start	5.33	Rating **	A/W	Issue No.	29 (cont)
LM End	5.37	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021_NA0017U16RM17.81_1.JPG



6/29/2021: View of the erosion from the opposite bank.

Photo 2 of 2 : SJR2021_NA0017U16RM17.81_2.JPG



6/29/2021: View of the erosion a little further 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	5.48	Rating **	M	Issue No.	354							
LM End	5.48	Issue Type +	Ma	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DWR UCIP LMA Responsibility		37.996132 °	37.996132 °								
			-121.079127 °	-121.079127 °								
DWR ID	23332											
Comment Code												
Inspector Comment												
DS_ID:23332 FS_ID:66029 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 03/08/2021 Record remains Non-Urgent. Unit 16 – Mormon Slough (CLM 0 to 11) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 to 11 of Unit 16 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. Current condition of pipe crossing does not impede access to patrol road/high ground area. riar bush overgrowth limiting access and visibility on WS. Pipe appears to be deteriorating and severely corroded at the WS toe. Pipe inlet not visible on LS. Small depression visible at LS along alignment, possible location of buried pipe inlet. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (N. Cholewinski - GEI)04/30/2014 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. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 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: 3/8/2021												

Photo 1 of 3 : UCIP_FA_2021_66029_95182.jpg



Crossing Overview

* 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	5.48	Rating **	M	Issue No.	354 (cont)
LM End	5.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.996132 °	37.996132 °
				-121.079127 °	-121.079127 °
DWR ID	23332				

Photo 2 of 3 : UCIP_FA_2021_66029_95183.jpg



LS View: Small depression visible at LS.

LM Start	5.48	Rating **	M	Issue No.	354 (cont)
LM End	5.48	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_66029_95184.jpg



LS View: Small depression visible at 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	5.54	Rating **	A/W	Issue No.	38
LM End	5.58	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

*This area is patrol road only and therefore the site is not rated
06/29/2021: From 2014 to present, no significant changes were observed during the annual survey. The erosion is visible in three locations.

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.

LM Start	5.54	Rating **	A/W	Issue No.	38 (cont)
LM End	5.58	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021_NA0017U16RM17.27_3.JPG



6/29/2021: View of the erosion from the opposite bank.

Photo 2 of 2 : SJR2021_NA0017U16RM17.27_4.JPG



6/29/2021: View of the erosion a little further 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	5.54	Rating **	C	Issue No.	217
LM End	5.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.995472 °	37.995472 °
				-121.079793 °	-121.079793 °
DWR ID	DWR_NA0017_16_s_2021_217				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	5.70	Rating **	A/W	Issue No.	42	
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						
*This area is patrol road only and therefore the site is not rated						
06/29/2021: From 2015 to present, no significant changes were						
observed during the annual survey. The erosion is covered by dense						
vegetation. The erosion length was updated to 95 ft based on more						
accurate field measurements.						
08/20/2014: The erosion is near a tree and probably has been made						
worse by the unstable bank slope.						

Photo 1 of 2 : SJR2021_NA0017U016RM17.11_1.JPG



6/29/2021: View of the erosion from the 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	5.70	Rating **	A/W	Issue No.	42 (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				

Photo 2 of 2 : SJR2021_NA0017U016RM17.11_2.JPG



6/29/2021: View of the erosion a little further downstream.

LM Start	6.45	Rating **	C	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 on patrol road.					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	6.53	Rating **	A/W	Issue No.	30
LM End	6.64	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

*This area is patrol road only and therefore the site is not rated
06/29/2021: From 2014 to present, no significant changes were observed during the annual survey. Noticed several locations with signs of burrowing activity near the downstream end of the erosion site. The erosion length was updated to 600 ft based on more accurate field measurements.

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.

LM Start	6.53	Rating **	A/W	Issue No.	30 (cont)
LM End	6.64	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021_NA0017U16RM16.27_1.JPG



6/29/2021: View of the erosion from the opposite bank.

Photo 2 of 2 : SJR2021_NA0017U16RM16.27_5.JPG



6/29/2021: Another view of the erosion from the 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	6.70	Rating **	A/W	Issue No.	43
LM End	6.71	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 *This area is patrol road only and therefore the site is not rated 06/29/2021: From 2020 to present, no changes were observed during the annual survey. 08/29/2019: There is no levee at the site. The erosion is likely caused by the rainfall runoff.					
LM Start	6.70	Rating **	A/W	Issue No.	43 (cont)
LM End	6.71	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021_NA0017U16RM16.15_1.JPG



6/29/2021: View of the erosion from the opposite bank.

Photo 2 of 2 : SJR2021_NA0017U16RM16.15_04.JPG



7/24/2020: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	7.29	Rating **	A/W	Issue No.	39
LM End	7.31	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					

Comment Code

Inspector Comment

Site ID: NA0017U16RM15.57

*This area is patrol road only and therefore the site is not rated
06/29/2021: From 2014 to present, no significant changes were observed during the annual survey. The erosion length was updated to 80 ft based on more accurate field measurements. The site ID changed from NA0017U16RM10.82 to NA0017U16RM15.57 in 2014 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.

LM Start	7.29	Rating **	A/W	Issue No.	39 (cont)
LM End	7.31	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021_NA0017U16RM15.57_1.JPG



6/29/2021: View of the erosion from the opposite bank.

Photo 2 of 2 : SJR2021_NA0017U16RM15.57_2.JPG



6/29/2021: 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	7.41	Rating **	A/W	Issue No.	46
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					

Comment Code

Inspector Comment

Site ID: NA0017U16RM15.45

*This area is patrol road only and therefore the site is not rated
06/29/2021: The erosion length was updated to 90 ft based on more accurate field measurements. Otherwise, no significant changes were observed since the previous inspection.

07/24/2020: This site was discovered during the DWR Fall 2015 Levee Inspections and first included in the erosion survey in 2019. Some fill, which is eroding, was placed on top of the erosion in one location.

LM Start	7.41	Rating **	A/W	Issue No.	46 (cont)
LM End	7.43	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021_NA0017U16RM15.45_3.JPG



6/29/2021: View of the erosion from the opposite bank.

Photo 2 of 2 : SJR2021_NA0017U16RM15.45_2.JPG



6/29/2021: Close-up view of the eroding fill.

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

**** Rating**
A : Acceptable N : Not Inspected/Rated
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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	7.72	Rating **	C	Issue No.	201
LM End	7.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.974728 °	37.974294 °
				-121.107792 °	-121.108459 °
DWR ID	DWR_NA0017_16_f_2020_201				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	8.35	Rating **	A/W	Issue No.	31	
LM End	8.37	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						
*This area is patrol road only and therefore the site is not rated						
06/29/2021: From 2013 to present, no significant changes were						
observed during the annual survey. The erosion length was updated to						
130 ft based on more accurate field measurements.						
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.						

Photo 1 of 2 : SJR2021_NA0017U16RM14.48_1.JPG



6/29/2021: View of the erosion from the 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	9.00	Rating **	A/W	Issue No.	40
LM End	9.01	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.966585 °	37.966585 °
				-121.127388 °	-121.127388 °
DWR ID	NA0017U16RM13.85				
Comment Code					
Inspector Comment					
Site ID: NA0017U16RM13.85					
*This area is patrol road only and therefore the site is not rated					
06/29/2021: From 2014 to present, no significant changes were					
observed during the annual survey.					
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.					

LM Start	9.00	Rating **	A/W	Issue No.	40 (cont)
LM End	9.01	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021_NA0017U16RM13.85_1.JPG



6/29/2021: View of the erosion from the opposite bank.

Photo 2 of 2 : SJR2021_NA0017U16RM13.85_02.JPG



7/24/2020: 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	9.02	Rating **	A/W	Issue No.	47
LM End	9.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.966639 °	37.966639 °
				-121.127716 °	-121.127716 °
DWR ID	NA0017U16RM13.83				
Comment Code					
Inspector Comment					
Site ID: NA0017U16RM13.83					
*This area is patrol road only and therefore the site is not rated					
06/29/2021: No significant changes were observed since the previous inspection.					
07/24/2020: The site was discovered during the 2020 field survey. The erosion has cut into the bank. Medium to dense vegetation is covering the scarp and slope.					

Photo 1 of 1 : SJR2021_NA0017U16RM13.83_2.JPG



6/29/2021: View of the erosion from the opposite bank.

LM Start	9.11	Rating **	A/W	Issue No.	33
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					
*This area is patrol road only and therefore the site is not rated					
06/29/2021: From 2013 to present, no significant changes were					
observed during the annual survey. The erosion length was updated to					
110 ft based on more accurate field measurements.					
08/22/2012: The erosion is covered with dense vegetation. There is no					
levee structure on site.					

Photo 1 of 1 : SJR2021_NA0017U16RM13.72_2.JPG



6/29/2021: View of the erosion from the opposite 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	9.31	Rating **	A/W	Issue No.	34
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					
*This area is patrol road only and therefore the site is not rated					
06/29/2021: From 2013 to present, no significant changes were					
observed during the annual survey. The erosion length was updated to					
130 ft based on more accurate field measurements.					
08/22/2012: The erosion is on berm. The berm width is estimated.					
There is no levee structure on site.					

LM Start	9.31	Rating **	A/W	Issue No.	34 (cont)
LM End	9.33	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2021_NA0017U16RM13.53_2.JPG



6/29/2021: View of the erosion from the opposite bank.

Photo 2 of 2 : SJR2021_NA0017U16RM13.53_3.JPG



6/29/2021: View of the erosion a little further 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

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					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion was found on the waterside toe of the levee.					

Photo 1 of 1 : FA_2021_NA0017_160_28_20210913_00036.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 M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	9.48	Rating **	M	Issue No.	384
LM End	9.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.965880 °	37.965880 °
				-121.135897 °	-121.135897 °
DWR ID	23344				
Comment Code					
Inspector Comment					
DS_ID:23344 FS_ID:65879 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 03/04/2021 Record status is still Non-Urgent. Unit 16 – Mormon Slough (CLM 0 to 11) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 to 11 of Unit 16 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 4.1 and 5. Crossing will be monitored until funding becomes available for rehabilitation. CM pipe is rusty and bent at LS opening. Observed a 2.5-inch PVC pipe discharging at LS pipe opening. Pipe is severely corroded at the WS toe. The metal is thinned, brittle, and peeling off from the pipe walls. Current condition of pipe crossing does not impede access to patrol road/high ground area. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (N. Cholewinski - GEI)04/30/2014 Inlet appears to be burried with soil on LS. Pipe heavily corroded at outlet on WS toe. Good candidate for video inspection. (W. Wylie - DWR UCIP) 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: 3/4/2021					

Photo 1 of 3 : UCIP_FA_2021_65879_94889.jpg



Crossing Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	9.48	Rating **	M	Issue No.	384 (cont)
LM End	9.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.965880 °	37.965880 °
				-121.135897 °	-121.135897 °
DWR ID	23344				

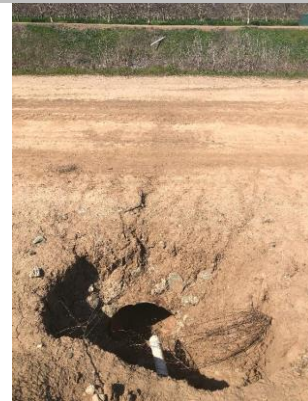
Photo 2 of 3 : UCIP_FA_2021_65879_94890.jpg



LS View: PVC pipe discharging at LS pipe opening.

LM Start	9.48	Rating **	M	Issue No.	384 (cont)
LM End	9.48	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_65879_94891.jpg



LS View: PVC pipe discharging at LS pipe opening.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	9.78	Rating **	M	Issue No.	385	
LM End	9.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.964912 °	37.964912 °	
				-121.140827 °	-121.140827 °	
DWR ID	23345					
Comment Code						
Inspector Comment						
DS_ID:23345 FS_ID:65881 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 03/04/2021 Record remains Non-Urgent. Unit 16 – Mormon Slough (CLM 0 to 11) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 to 11 of Unit 16 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. CM pipe is bent and deformed with visible gaps at the LS pipe opening. Pipe appears rusty and weathered on WS. Current condition of pipe crossing does not impede access to patrol road/high ground area. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (N. Cholewinski - GEI)04/30/2014 Inlet on LS buried in soil. (W. Wylie - DWR UCIP) 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: 3/4/2021						

Photo 1 of 3 : UCIP_FA_2021_65881_94882.jpg



Crossing Overview

LM Start	9.78	Rating **	M	Issue No.	385 (cont)
LM End	9.78	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_65881_94883.jpg



LS View: Pipe damaged at 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	9.86	Rating **	A/W	Issue No.	36 (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				

Photo 2 of 2 : SJR2021_NA0017U16RM12.95_3.JPG



6/29/2021: Close-up view of the erosion.

LM Start	9.98	Rating **	C	Issue No.	204
LM End	9.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.964671 °	37.964671 °
				-121.144552 °	-121.144552 °
DWR ID	DWR_NA0017_16_f_2020_204				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	10.13	Rating **	C	Issue No.	221
LM End	10.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.964701 °	37.964701 °
				-121.147356 °	-121.147356 °
DWR ID	DWR_NA0017_16_s_2021_221				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	10.17	Rating **	C	Issue No.	223
LM End	10.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.964700 °	37.964662 °	
			-121.147916 °	-121.148419 °	
DWR ID	DWR_NA0017_16_s_2021_223				
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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	10.20	Rating **	M	Issue No.	387	
LM End	10.20	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.964670 °	37.964670 °	
				-121.148455 °	-121.148455 °	
DWR ID	23347					
Comment Code						
Inspector Comment						
DS_ID:23347 FS_ID:65884 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 03/04/2021 Record remains Non-Urgent. Unit 16 – Mormon Slough (CLM 0 to 11) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 to 11 of Unit 16 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. Limited access to and briar bush overgrowth on WS. Pipe is corroding and rusty at LS. Current condition of pipe crossing does not impede access to patrol road/high ground area. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (N. Cholewinski - GEI)04/30/2014 Heavy sediment buildup at inlet on LS toe. (W. Wylie - DWR UCIP) 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: 3/4/2021						

LM Start	10.20	Rating **	M	Issue No.	387 (cont)
LM End	10.20	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_65884_94863.jpg



Crossing Overview

Photo 2 of 3 : UCIP_FA_2021_65884_94864.jpg



WS View

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	10.20	Rating **	M	Issue No.	387 (cont)
LM End	10.20	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.964670 °	37.964670 °
				-121.148455 °	-121.148455 °
DWR ID	23347				

Photo 3 of 3 : UCIP_FA_2021_65884_94865.jpg



WS View: Pipe and flapgate at WS slope. Briar bush overgrowth present.

LM Start	10.21	Rating **	C	Issue No.	224
LM End	10.21	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.964640 °	37.964640 °
				-121.148662 °	-121.148662 °
DWR ID	DWR_NA0017_16_s_2021_224				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	10.21	Rating **	M	Issue No.	389
LM End	10.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.964660 °	37.964660 °
				-121.148660 °	-121.148660 °
DWR ID	23348				
Comment Code					
Inspector Comment					
DS_ID:23348 FS_ID:65887 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 03/04/2021 Record was updated from No Action Needed to Non-Urgent. Unit 16 – Mormon Slough (CLM 0 to 11) is considered a patrol road/high ground area with no defined levee prism, any issue found between CLM 0 to 11 of Unit 16 will be considered a maintenance issue, or an unauthorized encroachment, or an abandoned encroachment. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Current condition of pipe crossing does not impede access to patrol road/high ground area. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, H. Latu. (N. Cholewinski - GEI) 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: 3/4/2021					

Photo 1 of 3 : UCIP_FA_2021_65887_94853.jpg



Crossing Overview

LM Start	10.21	Rating **	M	Issue No.	389 (cont)
LM End	10.21	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_65887_94854.jpg



WS View: Pipe and flapgate 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	10.21	Rating **	M	Issue No.	389 (cont)
LM End	10.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.964660 °	37.964660 °
				-121.148660 °	-121.148660 °
DWR ID	23348				

Photo 3 of 3 : UCIP_FA_2021_65887_94855.jpg



WS View: Pipe and flapgate at WS slope.

LM Start	10.42	Rating **	C	Issue No.	289
LM End	10.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.964316 °	37.964316 °
				-121.152484 °	-121.152484 °
DWR ID	DWR_NA0017_16_s_2020_289				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	10.57	Rating **	M	Issue No.	288
LM End	10.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.963542 °	37.963542 °
				-121.155111 °	-121.155111 °
DWR ID	DWR_NA0017_16_f_2019_288				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion may cut into patrol access road.					

Photo 1 of 1 : FA_2021_NA0017_160_288_20211020_00691.jpg



View of erosion on the waterside shoulder. Fall 2021

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	10.90	Rating **	C	Issue No.	299
LM End	10.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.961459 °	37.961451 °
				-121.160428 °	-121.160589 °
DWR ID	DWR_NA0017_16_s_2020_299				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	10.96	Rating **	C	Issue No.	229
LM End	10.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.961340 °	37.961340 °
				-121.161348 °	-121.161348 °
DWR ID	DWR_NA0017_16_s_2021_229				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	10.98	Rating **	M	Issue No.	205
LM End	10.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.961086 °	37.961086 °
				-121.161652 °	-121.161652 °
DWR ID	DWR_NA0017_16_f_2020_205				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arundo on 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	11.00	Rating **	C	Issue No.	236
LM End	11.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.960922 °	37.960922 °
				-121.161842 °	-121.161842 °
DWR ID	DWR_NA0017_16_s _ 2021_236				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	11.02	Rating **	C	Issue No.	239
LM End	11.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.960742 °	37.960742 °
				-121.162168 °	-121.162168 °
DWR ID	DWR_NA0017_16_s _ 2021_239				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	11.05	Rating **	C	Issue No.	240
LM End	11.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.960607 °	37.960607 °
				-121.162658 °	-121.162658 °
DWR ID	DWR_NA0017_16_s _ 2021_240				
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	11.08	Rating **	M	Issue No.	397	
LM End	11.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.960565 °	37.960565 °	
				-121.163287 °	-121.163287 °	
DWR ID	23354					
Comment Code						
Inspector Comment						
DS_ID:23354 FS_ID:63857 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Damage Crossing Status: Found UCIP Comments: 03/04/2021 Record was updated from No Action Needed to Non-Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. Soil accumulation and concrete debris near LS pipe opening. No visual of pipe at WS grout apron. The UCIP inspection was completed with LMA representative, H. Latu. (N. Cholewinski - GEI) 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: 3/4/2021						

Photo 1 of 3 : UCIP_FA_2021_63857_94805.jpg



Crown Overview

LM Start	11.08	Rating **	M	Issue No.	397 (cont)
LM End	11.08	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_63857_94806.jpg



LS View: Soil accumulation and concrete debris at pipe opening.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	11.08	Rating **	M	Issue No.	397 (cont)	
LM End	11.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.960565 °	37.960565 °	
				-121.163287 °	-121.163287 °	
DWR ID	23354					

Photo 3 of 3 : UCIP_FA_2021_63857_94807.jpg



LS View: Pipe opening at LS.

LM Start	11.15	Rating **	U	Issue No.	398
LM End	11.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.960322 °	37.960322 °
				-121.164400 °	-121.164400 °
DWR ID	23355				

Photo 1 of 3 : UCIP_FA_2021_65153_94795.jpg



Crown Overview

Comment Code					
Inspector Comment					
DS_ID:23355 FS_ID:65153 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 03/04/2021 Record was updated from No Action Needed to Urgent. DWR DMP has found integrity issues, LOF between 5 and 6. Crossing will be monitored until funding becomes available to be addressed. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. Flapgate on WS appears misaligned at collar by approximately 1-inch. The UCIP inspection was completed with LMA representative, H. Latu. (N. Cholewinski - GEI) 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: 3/4/2021					

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	11.15	Rating **	U	Issue No.	398 (cont)
LM End	11.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.960322 °	37.960322 °
				-121.164400 °	-121.164400 °
DWR ID	23355				

Photo 2 of 3 : UCIP_FA_2021_65153_94796.jpg



LS View: Headwall at LS toe.

LM Start	11.15	Rating **	U	Issue No.	398 (cont)
LM End	11.15	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_65153_94797.jpg



LS View: 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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	11.92	Rating **	M	Issue No.	401	
LM End	11.92	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.961429 °	37.961429 °	
				-121.178380 °	-121.178380 °	
DWR ID	23385					
Comment Code						
Inspector Comment						
DS_ID:23385 FS_ID:63851 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 03/04/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. Observed a 4.5-inch PVC pipe discharging at headwall on LS. Flapgate on WS has single bullet hole. The UCIP inspection was completed with LMA representative, H. Latu. (N. Cholewinski - GEI) 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: 3/4/2021						

LM Start	11.92	Rating **	M	Issue No.	401 (cont)
LM End	11.92	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_63851_94767.jpg



Crown Overview

Photo 2 of 3 : UCIP_FA_2021_63851_94768.jpg



LS View: 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
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	11.92	Rating **	M	Issue No.	401 (cont)
LM End	11.92	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.961429 °	37.961429 °	
			-121.178380 °	-121.178380 °	
DWR ID	23385				

Photo 3 of 3 : UCIP_FA_2021_63851_94769.jpg



LS View: Headwall at LS toe. PVC pipe discharging at headwall.

LM Start	12.26	Rating **	M	Issue No.	404
LM End	12.26	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.960568 °	37.960568 °	
			-121.184451 °	-121.184451 °	
DWR ID	23388				

Comment Code

Inspector Comment

DS_ID:23388
 FS_ID:65149
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Unauthorized Encroachment, installed decades prior
 Crossing Status: Found
 UCIP Comments: 03/03/2021 Record was updated from No Action Needed to Non-Urgent. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4.0. Recommend next video inspection in 5 years. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. Burrow holes observed above headwall on LS slope. Pipe is rusty and CM of pipe seems to be slightly separating at LS toe. The UCIP inspection was completed with LMA representative, H. Latu. (N. Cholewinski - GEI)
 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: 3/3/2021

Photo 1 of 3 : UCIP_FA_2021_65149_65589.jpg



Grouted spillway on WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	12.26	Rating **	M	Issue No.	404 (cont)
LM End	12.26	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.960568 °	37.960568 °	
			-121.184451 °	-121.184451 °	
DWR ID	23388				

Photo 2 of 3 : UCIP_FA_2021_65149_65588.jpg



Concrete headwall on LS toe.

LM Start	12.26	Rating **	M	Issue No.	404 (cont)
LM End	12.26	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_65149_65587.jpg



Concrete headwall on LS toe.

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_2021_NA0017_160_277_20211020_00687.jpg



View of fill material stored landside shoulder. Fall 2021

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	13.95	Rating **	C	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

LM Start	16.55	Rating **	M	Issue No.	263
LM End	16.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.983136 °	37.983136 °	
			-121.253994 °	-121.253994 °	
DWR ID	DWR_NA0017_16_s_2021_263				
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	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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	16.83	Rating **	M	Issue No.	267
LM End	16.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.985093 °	37.985093 °
				-121.258551 °	-121.258551 °
DWR ID	DWR_NA0017_16_s_2021_267				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	16.84	Rating **	M	Issue No.	270
LM End	16.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.985132 °	37.985132 °
				-121.258825 °	-121.258825 °
DWR ID	DWR_NA0017_16_s_2021_270				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0017_160_270_20210913_00120.jpg



View of pedestrian pathway along the landside slope. Spring 2021

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_2021_NA0017_160_293_20210913_00131.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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	17.21	Rating **	M	Issue No.	283
LM End	17.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.987687 °	37.987687 °	
			-121.264607 °	-121.264607 °	
DWR ID	DWR_NA0017_16_s_2021_283				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	17.78	Rating **	M	Issue No.	227
LM End	17.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.991559 °	37.991559 °	
			-121.273792 °	-121.273792 °	
DWR ID	DWR_NA0017_16_s_2021_227				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	18.38	Rating **	C	Issue No.	309
LM End	18.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.992845 °	37.992845 °	
			-121.283845 °	-121.283845 °	
DWR ID	DWR_NA0017_16_f_2018_309				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	18.39	Rating **	C	Issue No.	287
LM End	18.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.992838 °	37.992838 °
				-121.284167 °	-121.284167 °
DWR ID	DWR_NA0017_16_s_2021_287				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	18.72	Rating **	M	Issue No.	294
LM End	18.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.992719 °	37.992638 °
				-121.289998 °	-121.290360 °
DWR ID	DWR_NA0017_16_s_2021_294				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
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_2021_NA0017_160_65_20210913_00088.jpg



A tree stump was found on the landside of the levee looking upstream.

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	20.30	Rating **	C	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	20.36	Rating **	C	Issue No.	307
LM End	20.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.981042 °	37.981042 °	
			-121.313477 °	-121.313477 °	
DWR ID	DWR_NA0017_16_s_2021_307				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	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	21.94	Rating **	A/W	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_2020_62				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : FA_2021_NA0017_160_62_20210913_00087.jpg



Erosion was found on the waterside slope of the levee looking upstream.

LM Start	22.04	Rating **	C	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					
E1 : Note and monitor erosion site.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	22.19	Rating **	A/W	Issue No.	244
LM End	22.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.977185 °	37.977185 °
				-121.343687 °	-121.343687 °
DWR ID	LMA-301				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
2017 strom damage site, ID No. 474, LMA-301. Erosion along the left bank of the waterside slope.					

Photo 1 of 1 : LEVAL_FA_2021_474_2234.jpg



LM Start	22.24	Rating **	N	Issue No.	6	
LM End	22.24	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			37.976650 °		37.976650 °
				-121.344212 °		-121.344212 °
DWR ID	DWR_NA0017_16_s_2016_6					
Comment Code						
T5 : Tree stumps.						
Inspector Comment						

No Photos

LM Start	22.51	Rating **	C	Issue No.	45
LM End	22.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.973757 °	37.973324 °
				-121.347571 °	-121.348364 °
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					

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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	22.85	Rating **	C	Issue No.	2
LM End	23.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.969831 °	37.968481 °
				-121.350847 °	-121.355743 °
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					

No Photos

LM Start	22.87	Rating **	M	Issue No.	483	
LM End	22.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.969751 °		37.969751 °
				-121.351172 °		-121.351172 °
DWR ID	23409					
Comment Code						
Inspector Comment						
DS_ID:23409 FS_ID:63483 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 03/01/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. No issues observed during inspection. The UCIP inspection was completed with LMA representative, H. Latu. (N. Cholewinski - GEI) 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: 3/1/2021						

Photo 1 of 3 : UCIP_FA_2021_63483_93577.jpg



Crown Overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	22.87	Rating **	M	Issue No.	483 (cont)
LM End	22.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.969751 °	37.969751 °
				-121.351172 °	-121.351172 °
DWR ID	23409				

Photo 2 of 3 : UCIP_FA_2021_63483_93578.jpg



LS View: Pipe and pumphouse at LS toe.

LM Start	22.87	Rating **	M	Issue No.	483 (cont)
LM End	22.87	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_63483_93579.jpg



LS View: Pipe and pumphouse at LS slope and toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	22.87	Rating **	M	Issue No.	484
LM End	22.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.969747 °	37.969747 °
				-121.351190 °	-121.351190 °
DWR ID	23503				
Comment Code					
Inspector Comment					
DS_ID:23503 FS_ID:63482 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 03/01/2021 Record was updated from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. No issues observed during inspection. The UCIP inspection was completed with LMA representative, H. Latu. (N. Cholewinski - GEI) 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: 3/1/2021					

LM Start	22.87	Rating **	M	Issue No.	484 (cont)
LM End	22.87	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_63482_93572.jpg



Crown Overview

Photo 2 of 3 : UCIP_FA_2021_63482_93574.jpg



LS View: Pipe and pumphouse 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/20/2021 10/20/2021	Alberto De Leon

LM Start	22.87	Rating **	M	Issue No.	484 (cont)
LM End	22.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.969747 °	37.969747 °
				-121.351190 °	-121.351190 °
DWR ID	23503				

Photo 3 of 3 : UCIP_FA_2021_63482_93575.jpg



LS View: Pipe and pumphouse at LS slope and toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Potter Creek	Right	0.86	10/20/2021 10/20/2021	Alberto De Leon

LM Start	0.05	Rating **	U	Issue No.	10
LM End	0.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.960250 °	37.960241 °
				-121.162471 °	-121.162373 °
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					

Photo 1 of 1 : FA_2021_NA0017_161_10_20211020_00018.jpg



View of large animal burrows within the waterside shoulder and slope.
Fall 2021

LM Start	0.07	Rating **	M	Issue No.	11
LM End	0.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.960189 °	37.959503 °
				-121.162206 °	-121.157903 °
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

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

** Rating
A : Acceptable N : Not Inspected/Rated
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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Potter Creek	Left	0.91	10/20/2021 10/20/2021	Alberto De Leon

LM Start	0.00	Rating **	M	Issue No.	12	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.957538 °	37.957538 °	
				-121.148502 °	-121.148502 °	
DWR ID	23952					
Comment Code						
Inspector Comment						
DS_ID:23952 FS_ID:67115 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 04/29/2021 The record has been upgraded from No Action Needed to Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 04/04/2014 Looks well maintained crossing. (P. Mahesh - DWR UCIP) 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: 4/29/2021						

LM Start	0.00	Rating **	M	Issue No.	12 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2021_67115_99067.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2021_67115_98740.jpg



LS view: Slope and headwall at toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Potter Creek	Left	0.91	10/20/2021 10/20/2021	Alberto De Leon

LM Start	0.28	Rating **	U	Issue No.	13
LM End	0.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.958658 °	37.958658 °
				-121.153090 °	-121.153090 °
DWR ID	18541				
Comment Code					
Inspector Comment					
DS_ID:18541 FS_ID:67111 EP_NO: N/A Repair Type: Urgent EVAL Issue: Flood Risk Crossing Status: Found UCIP Comments: 04/29/2021 The record has been upgraded from No Action Needed to Urgent. There is a new plastic irrigation pipe going through this metal pipe that prevents the flapgate from closing. Pipe needs to be removed before flood season so flapgate can close. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI) 04/04/2014 Long flood wall along the levee. (P. Mahesh - DWR UCIP) 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: 4/29/2021					

Photo 1 of 3 : UCIP_FA_2021_67111_98748.jpg



Levee crown looking downstream.

LM Start	0.28	Rating **	U	Issue No.	13 (cont)
LM End	0.28	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2021_67111_98750.jpg



LS view: Headwall visible at toe from crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : 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 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Potter Creek	Left	0.91	10/20/2021 10/20/2021	Alberto De Leon

LM Start	0.28	Rating **	U	Issue No.	13 (cont)
LM End	0.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.958658 °	37.958658 °
				-121.153090 °	-121.153090 °
DWR ID	18541				

Photo 3 of 3 : UCIP_FA_2021_67111_98751.jpg



LS view: Slope and headwall at toe. Irrigation pipe going through inlet.

LM Start	0.53	Rating **	U	Issue No.	17
LM End	0.53	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.959117 °	37.959117 °
				-121.157567 °	-121.157567 °
DWR ID	18539				

Comment Code

Inspector Comment

DS_ID:18539
 FS_ID:67112
 EP_NO: N/A
 Repair Type: Urgent
 EVAL Issue: Pipe Integrity
 Crossing Status: Found
 UCIP Comments: 04/29/2021 Record has been upgraded from No Action Needed to Urgent. DWR DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. The UCIP inspection was completed with LMA representative, J. Nelson. (H. Dunn – GEI)04/04/2014 May need cleaning the pipe. (P. Mahesh - DWR UCIP)
 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: 4/29/2021

Photo 1 of 3 : UCIP_FA_2021_67112_98763.jpg



Levee crown 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
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2021

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Potter Creek	Left	0.91	10/20/2021 10/20/2021	Alberto De Leon

LM Start	0.53	Rating **	U	Issue No.	17 (cont)
LM End	0.53	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.959117 °	37.959117 °
				-121.157567 °	-121.157567 °
DWR ID	18539				

Photo 2 of 3 : UCIP_FA_2021_67112_98764.jpg



LS view: Headwall visible at toe from crown.

LM Start	0.53	Rating **	U	Issue No.	17 (cont)
LM End	0.53	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2021_67112_98765.jpg



LS view: Slope and headwall at toe.

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