

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>23</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0010_01_s_2013_23				
Comment Code					
Inspector Comment					
The LMA maintains a copy of the O&M manuals on file at district office.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>24</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0010_01_s_2013_24				
Comment Code					
Inspector Comment					
The LMA has adequate supplies and equipment for flood response.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>25</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_NA0010_01_s_2013_25				
Comment Code					
Inspector Comment					
LMA preparedness and training is adequate for flood response.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	0.00	Rating **	U	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.348637 °	37.348637 °
				-120.958834 °	-120.958834 °
DWR ID	19650				

**Comment Code**

**Inspector Comment**

FS\_ID:62752  
DS\_ID:19650  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 10/06/2020 Pipe status is still Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation. Dense vegetation was found along the LS and WS. No permit was found for this crossing. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope and landward toe. Recommend removing vegetation along pipe alignment and landward toe to conduct proper inspection of structure and appurtenances. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS), elevation 65.1 feet, USGS Datum.  
[Additional Reference(s): DWR Levee Log, 2002 (HLM 0.00), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.02), listed as a 24-inch CMP].  
FS Date: 10/6/2020

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62752\_60601.jpg



Flapgate on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62752\_60600.jpg



Flapgate on WS toe.

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.348637 °	37.348637 °	
			-120.958834 °	-120.958834 °	
DWR ID	19650				

Photo 3 of 3 : UCIP\_SP\_2021\_62752\_60602.jpg



Headwall on LS toe.

LM Start	0.01	Rating **	M	Issue No.	96
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.348629 °	37.347253 °
				-120.958901 °	-120.960480 °
DWR ID	DWR_NA0010_01_s_2021_96				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_118\_96\_20210517\_00301.jpg



View of the landside slope looking upstream. (Spring 2021)

LM Start	0.12	Rating **	M	Issue No.	143
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.347444 °	37.347444 °
				-120.960311 °	-120.960311 °
DWR ID	DWR_NA0010_01_s_2020_143				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_118\_143\_20210308\_00029.jpg



Downed tree limb should be removed from the waterside shoulder. (Spring 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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	0.34	Rating **	M	Issue No.	3	
LM End	0.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.344705 °		37.344705 °
				-120.962176 °		-120.962176 °
DWR ID	19651					
Comment Code						
Inspector Comment						
FS_ID:62609 DS_ID:19651 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/06/2020 Pipe status is still Non-Urgent. No permit was found authorizing this encroachment. Recommend maintenance to clear up sediment buildup through the pipe. CVFPB will need to review crossing to determine owner. DWR DMP has not completed an internal inspection of the pipe, but is scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Pipe has significant sediment buildup and shows some signs of corrosion at landward toe. Recommend cleaning sediment from inside pipe and check wall integrity. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 18.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.35), listed as 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.35), listed as a 36-inch CMP]. FS Date: 10/6/2020						

Photo 1 of 3 : UCIP\_SP\_2021\_62609\_60611.jpg



Flapgate and headwall visible off WS toe.

LM Start	<b>0.34</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>0.34</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62609\_60613.jpg



Flapgate and headwall visible off WS toe.

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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	0.60	Rating **	M	Issue No.	4	
LM End	0.60	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.341507 °	37.341507 °	
				-120.961283 °	-120.961283 °	
DWR ID	19583					
Comment Code						
Inspector Comment						
FS_ID:62645 DS_ID:19583 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/06/2020 Pipe status is still Non-Urgent. No permit was found authorizing this encroachment. Rodent activity; recommend mitigation. 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. (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Recommend removing vegetation pile from waterward toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.62), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.62), listed as a 24-inch CMP]. FS Date: 10/6/2020						

LM Start	<b>0.60</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>0.60</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62645\_60622.jpg



Flapgate and headwall visible on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62645\_60623.jpg



Flapgate and headwall visible on WS toe.

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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>0.85</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>0.85</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.339829 °	37.339829 °
				-120.958621 °	-120.958621 °
DWR ID	19584				

Photo 2 of 3 : UCIP\_SP\_2021\_62646\_60626.jpg



Pipe and headwall visible on LS toe.

LM Start	<b>0.85</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>0.85</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62646\_60625.jpg



Pipe and headwall visible on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	0.93	Rating **	U	Issue No.	7	
LM End	0.93	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.339598 °	37.339598 °	
				-120.957202 °	-120.957202 °	
DWR ID	19585					
Comment Code						
Inspector Comment						
FS_ID:62648 DS_ID:19585 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/06/2020 Pipe status is still Urgent. DWR DMP has found integrity issues, likelihood of failure between 5 and 6. Scour visible near LS toe surrounding headwall. 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. (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Moderate erosion around headwall on landward toe. May or may not be an issue. Need to contact owner to determine status of crossing and to address erosion issue on landward side. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.96), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.95), listed as a 24-inch CMP]. FS Date: 10/6/2020						

LM Start	<b>0.93</b>	Rating **	U	Issue No.	<b>7 (cont)</b>
LM End	<b>0.93</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62648\_60632.jpg



Flapgate, pipe, and headwall on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62648\_60631.jpg



Concrete headwall and pipe visible at LS toe.

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



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### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>1.15</b>	Rating **	M	Issue No.	<b>8 (cont)</b>
LM End	<b>1.15</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.338005 °	37.338005 °
				-120.953921 °	-120.953921 °
DWR ID	19586				

Photo 2 of 3 : UCIP\_SP\_2021\_62615\_60643.jpg



Pipe, headwall, and flapgate visible on WS toe.

LM Start	<b>1.15</b>	Rating **	M	Issue No.	<b>8 (cont)</b>
LM End	<b>1.15</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62615\_60641.jpg



Headwall and pipe visible on LS toe.

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

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

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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	1.32	Rating **	M	Issue No.	11	
LM End	1.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.337361 °	37.337361 °	
				-120.950879 °	-120.950879 °	
DWR ID	19587					
Comment Code						
Inspector Comment						
FS_ID:62617 DS_ID:19587 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/06/2020 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 completed an internal inspection of the pipe but it is scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12.8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). Pipe crosses through the levee at about a 45 degree angle to the crown. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.35), listed as a 36-inch corrugated metal pipe. USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 1.34), listed as a 36-inch CMP]. FS Date: 10/6/2020						

LM Start	<b>1.32</b>	Rating **	M	Issue No.	<b>11 (cont)</b>
LM End	<b>1.32</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62617\_60649.jpg



Concrete headwall and flapgate visible at WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62617\_60648.jpg



Concrete headwall and flapgate visible at WS toe.

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



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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>1.46</b>	Rating **	M	Issue No.	<b>13 (cont)</b>
LM End	<b>1.46</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.336866 °	37.336866 °
				-120.948520 °	-120.948520 °
DWR ID	19588				

Photo 2 of 3 : UCIP\_SP\_2021\_62618\_60653.jpg



Pipe, flapgate, and concrete headwall visible on WS toe.

LM Start	<b>1.46</b>	Rating **	M	Issue No.	<b>13 (cont)</b>
LM End	<b>1.46</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62618\_60651.jpg



Pipe and concrete headwall visible on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	1.67	Rating **	U	Issue No.	14	
LM End	1.67	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.336459 °	37.336459 °	
				-120.944803 °	-120.944803 °	
DWR ID	19589					
Comment Code						
Inspector Comment						
FS_ID:62649						
DS_ID:19589						
EP_NO: N/A						
Repair Type: Urgent						
Crossing Status: Found						
UCIP Comments: 10/06/2020 Pipe status is 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. Dense vegetation; recommend vegetation removal along pipe alignment (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Heavy sediment buildup in pipe at LS toe. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.70), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 1.69), listed as a 24-inch CMP].						
FS Date: 10/6/2020						

Photo 1 of 3 : UCIP\_SP\_2021\_62649\_60661.jpg



Pipe, headwall, and flapgate visible on WS toe.

LM Start	<b>1.67</b>	Rating **	U	Issue No.	<b>14 (cont)</b>
LM End	<b>1.67</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62649\_60663.jpg



Pipe, headwall, and flapgate visible on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>1.81</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>1.81</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.335612 °	37.335612 °	
			-120.942532 °	-120.942532 °	
DWR ID	19590				

Photo 2 of 3 : UCIP\_SP\_2021\_62750\_60667.jpg



Pipe, flapgate, and headwall visible at WS toe.

LM Start	<b>1.81</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>1.81</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62750\_60665.jpg



Pipe and concrete headwall visible at LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	1.95	Rating **	M	Issue No.	16	
LM End	1.95	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.334377 °		37.334377 °
				-120.940397 °		-120.940397 °
DWR ID	19591					
Comment Code						
Inspector Comment						
FS_ID:62622 DS_ID:19591 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/06/2020 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. Rodent activity, recommend mitigation. Recommend inspection in 5 years. (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Need to contact owner to determine crossing status. Inlet drop box silted in and needs to be cleaned out. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). Wooden barrier around drop inlet on the LS toe. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.98), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 1.98), listed as a 24-inch CMP]. FS Date: 10/6/2020						

LM Start	1.95	Rating **	M	Issue No.	16 (cont)
LM End	1.95	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62622\_60670.jpg



Concrete headwall and flapgate on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62622\_60672.jpg



Pipe, flapgate, and headwall on WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>1.95</b>	Rating **	M	Issue No.	<b>16 (cont)</b>
LM End	<b>1.95</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.334377 °	37.334377 °
				-120.940397 °	-120.940397 °
DWR ID	19591				

Photo 3 of 3 : UCIP\_SP\_2021\_62622\_60671.jpg



Wooded barrier around drop-inlet on LS toe.

LM Start	1.98	Rating **	M	Issue No.	99
LM End	1.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.334173 °	37.334173 °
				-120.939886 °	-120.939886 °
DWR ID	DWR_NA0010_01_s_2020_99				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent burrows on both sides of the levee.					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	2.06	Rating **	M	Issue No.	17
LM End	2.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.333653 °	37.333653 °
				-120.938770 °	-120.938770 °
DWR ID	19570				

**Comment Code**

**Inspector Comment**

FS\_ID:62623  
DS\_ID:19570  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 10/06/2020 Pipe status is still Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Wooden barrier surrounding drop-inlet is dilapidated. 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. (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Unable to find inlet on landward toe. Recommend clearing vegetation on landward side to properly inspect inlet. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.08), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 2.08), listed as a 24-inch CMP].  
FS Date: 10/6/2020

LM Start	<b>2.06</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>2.06</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62623\_60675.jpg



Pipe and flapgate visible on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62623\_60676.jpg



Pipe and flapgate visible on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>2.06</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>2.06</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.333653 °	37.333653 °
				-120.938770 °	-120.938770 °
DWR ID	19570				

Photo 3 of 3 : UCIP\_SP\_2021\_62623\_60674.jpg



Wooded barrier around drop-inlet on LS toe.

LM Start	2.20	Rating **	N	Issue No.	110
LM End	2.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.331820 °	37.331820 °
				-120.937605 °	-120.937605 °
DWR ID	DWR_NA0010_01_f_2018_110				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Tree stump on landside slope should be removed.					

Photo 1 of 1 : SP\_2021\_NA0010\_118\_110\_20210308\_00018.jpg



View of tree stump on the landside slope. (Fall 2020)

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

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

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	2.22	Rating **	M	Issue No.	18	
LM End	2.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.331611 °	37.331611 °	
				-120.937455 °	-120.937455 °	
DWR ID	19571					
Comment Code						
Inspector Comment						
FS_ID:62637 DS_ID:19571 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/06/2020 Pipe status is still Non-Urgent. Pipe angle through the levee. 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 but is scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). Wooden barrier around drop inlet on the LS toe. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.25), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 2.25), listed as a 36-inch CMP]. FS Date: 10/6/2020						

LM Start	<b>2.22</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>2.22</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62637\_71309.jpg



Pipe and flapgate on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62637\_71308.jpg



Pipe and headwall on LS toe.

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

Pipe and headwall on LS toe.

Pipe, headwall, and flapgate on WS toe.

FS Date: 10/6/2020

Page 23 of 122

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	2.50	Rating **	M	Issue No.	19 (cont)
LM End	2.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.328619 °	37.328619 °
				-120.934369 °	-120.934369 °
DWR ID	19572				

Photo 2 of 3 : UCIP\_SP\_2021\_62625\_60680.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	<b>2.50</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>2.50</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62625\_60678.jpg



Pipe and headwall on LS toe.

LM Start	2.58	Rating **	A/W	Issue No.	113
LM End	2.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.327936 °	37.327936 °
				-120.933013 °	-120.933013 °
DWR ID	DWR_NA0010_01_f_2018_113				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
There is damage caused by vehicle traffic over the levee.					

Photo 1 of 1 : SP\_2021\_NA0010\_118\_113\_20210308\_00020.jpg



Slope damage by vehicle traffic. (Spring 2020)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	2.67	Rating **	M	Issue No.	20
LM End	2.67	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.327362 °	37.327362 °
				-120.931591 °	-120.931591 °
DWR ID	19573				

**Comment Code**

**Inspector Comment**

FS\_ID:62626  
DS\_ID:19573  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 10/06/2020 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. (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Sedimentation in pipe at landward toe. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7.3 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.71), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 2.70), listed as a 24-inch CMP].  
FS Date: 10/6/2020

LM Start	<b>2.67</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>2.67</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62626\_60688.jpg



Pipe, flapgate, and headwall on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62626\_60689.jpg



Pipe, flapgate, and headwall on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>2.67</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>2.67</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.327362 °	37.327362 °
				-120.931591 °	-120.931591 °
DWR ID	19573				

Photo 3 of 3 : UCIP\_SP\_2021\_62626\_60687.jpg



Pipe and headwall on LS toe.

LM Start	2.99	Rating **	U	Issue No.	114
LM End	2.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.323328 °	37.323328 °
				-120.929521 °	-120.929521 °
DWR ID	DWR_NA0010_01_f_2018_114				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Slope damage caused by livestock on both landside and waterside slope has eroded into the levee crown.					

Photo 1 of 1 : SP\_2021\_NA0010\_118\_114\_20210308\_00021.jpg



View of damage to both slope from livestock activity. (Fall 2020)

LM Start	3.06	Rating **	M	Issue No.	104
LM End	3.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.322499 °	37.322499 °
				-120.928986 °	-120.928986 °
DWR ID	DWR_NA0010_01_f_2017_104				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Slope damage caused by animal foot traffic.					

Photo 1 of 1 : SP\_2021\_NA0010\_118\_104\_20210517\_00303.jpg



Slope damage on the landside slope from livestock traffic. (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 - Spring 2021**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	3.10	Rating **	M	Issue No.	115	
LM End	3.10	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.321903 °		37.321903 °
				-120.928748 °		-120.928748 °
DWR ID	DWR_NA0010_01_f_2018_115					
Comment Code						
A2 : Repair the levee slope damaged by livestock and prevent large animal access.						
Inspector Comment						
Damage caused by livestock traffic.						

Photo 1 of 1 : SP\_2021\_NA0010\_118\_115\_20210308\_00022.jpg



View of erosion path looking downstream. (Fall 2018)

LM Start	3.13	Rating **	M	Issue No.	108
LM End	3.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.321488 °	37.321488 °
				-120.928758 °	-120.928758 °
DWR ID	DWR_NA0010_01_s_2017_108				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Slope damage caused by animal traffic on landside toe.					

Photo 1 of 1 : SP\_2021\_NA0010\_118\_108\_20210308\_00016.jpg



View of landside slope damage by animal traffic. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>3.13</b>	Rating **	M	Issue No.	<b>21</b>
LM End	<b>3.13</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.321444 °	37.321444 °	
			-120.928764 °	-120.928764 °	
DWR ID	19574				

Comment Code

Inspector Comment

FS\_ID:62627  
DS\_ID:19574  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 10/06/2020 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 completed an internal inspection of the pipe but is scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Some minor erosion around headwall on LS toe. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.17), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 3.16), listed as a 36-inch CMP].  
FS Date: 10/6/2020

LM Start	<b>3.13</b>	Rating **	M	Issue No.	<b>21 (cont)</b>
LM End	<b>3.13</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62627\_60702.jpg



Pipe, Flapgate, and headwall on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62627\_60700.jpg



Pipe, Flapgate, and headwall on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	3.47	Rating **	U	Issue No.	26	
LM End	3.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.317116 °	37.317116 °	
				-120.926451 °	-120.926451 °	
DWR ID	19575					
Comment Code						
Inspector Comment						
FS_ID:62621 DS_ID:19575 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/06/2020 Pipe status is still Urgent. Sinkhole present directly above LS toe headwall along pipe alignment. Pipe collapse visible from LS toe. 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 but is scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)11/01/2018 Pipe continues to rust through, causing the pipe to collapse on the LS. Sediment buildup visible from the LS inlet. Loss of soil just above the LS concrete headwall and along the LS slope. Crossing remains Urgent due to the levee slope issues and pipe failure through the levee. (O. Magana - DWR UCIP)07/19/2016 Same as previous inspection. Erosion present on LS slope. (O. Magana - DWR UCIP)04/08/2014 Pipe rusted through at Springline on LS toe. Flapgate blocked by sediment on WS toe. Heavy sediment on both ends of pipe. Need to contact owner to address issues. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.50), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 3.50), listed as a 36-inch CMP]. FS Date: 10/6/2020						

Photo 1 of 3 : UCIP\_SP\_2021\_62621\_60707.jpg



Pipe, headwall, and flapgate on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>3.47</b>	Rating **	U	Issue No.	<b>26 (cont)</b>
LM End	<b>3.47</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.317116 °	37.317116 °	
			-120.926451 °	-120.926451 °	
DWR ID	19575				

Photo 2 of 3 : UCIP\_SP\_2021\_62621\_60706.jpg



Pipe and headwall on LS toe.

LM Start	<b>3.47</b>	Rating **	U	Issue No.	<b>26 (cont)</b>
LM End	<b>3.47</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62621\_60705.jpg



Pipe and headwall on LS toe.

LM Start	3.87	Rating **	U	Issue No.	2
LM End	3.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.311798 °	37.311341 °
				-120.927670 °	-120.927365 °
DWR ID	DWR_NA0010_01_s_2012_2				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several rodent burrows are along this section of the levee.					

Photo 1 of 1 : SP\_2021\_NA0010\_118\_2\_20210308\_00001.jpg



View of rodent burrows in this section looking downstream. (Fall 2019)

* 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>4.13</b>	Rating **	M	Issue No.	<b>29</b>
LM End	<b>4.13</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.309080 °	37.309080 °	
			-120.924442 °	-120.924442 °	
DWR ID	19607				

**Comment Code**

**Inspector Comment**

FS\_ID:62651  
DS\_ID:19607  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 10/20/2020 Barbed wire inhibiting access to pipe at LS toe. Unpermitted modifications made to structure. Recommend new DSID and removal for seemingly abandoned 12" metal pipe through levee, approximately 1 foot below crown at CLM 4.131. Visible at LS structure. Recommend DMP inspection. No permit was found authorizing these encroachments. CVFPB will need to review crossing to determine owner(s). (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Pipe appears sleeved with a 12-inch steel pipe with a slide gate at the LS toe. No identified authorization for changes to this crossing. Need to contact owner to obtain additional information about the modifications to crossing. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.16), listed as a 48-inch pipe. USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 4.16), listed as a 48-inch corrugated metal pipe (CMP)].  
FS Date: 10/20/2020

LM Start	<b>4.13</b>	Rating **	M	Issue No.	<b>29 (cont)</b>
LM End	<b>4.13</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62651\_60730.jpg



Concrete headwall and 48-inch flapgate visible on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62651\_60731.jpg



Assumed pipe exists under pump at LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>4.13</b>	Rating **	M	Issue No.	<b>29 (cont)</b>
LM End	<b>4.13</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.309080 °	37.309080 °
				-120.924442 °	-120.924442 °
DWR ID	19607				

Photo 3 of 3 : UCIP\_SP\_2021\_62651\_60729.jpg



Concrete inlet, slidegate, and concrete headwall at LS toe.

LM Start	4.18	Rating **	M	Issue No.	105
LM End	4.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.308458 °	37.308458 °
				-120.923942 °	-120.923942 °
DWR ID	DWR_NA0010_01_f_2017_105				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are several rodent holes noted at this location.					

No Photos

LM Start	4.22	Rating **	M	Issue No.	98
LM End	4.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.308027 °	37.300945 °
				-120.923406 °	-120.920226 °
DWR ID	DWR_NA0010_01_s_2021_98				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	4.25	Rating **	M	Issue No.	31	
LM End	4.25	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.307930 °	37.307930 °	
				-120.923057 °	-120.923057 °	
DWR ID	19608					
Comment Code						
Inspector Comment						
FS_ID:62632 DS_ID:19608 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/20/2020 Fence and dense vegetation inhibiting slope inspection. Burrowing observed on LS and WS slopes. 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 completed an internal inspection of the pipe but is scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Dense vegetation and fence limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward side. Recommend obtaining access to landward toe and removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.27), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 4.27), listed as a 24-inch CMP]. FS Date: 10/20/2020						

LM Start	<b>4.25</b>	Rating **	M	Issue No.	<b>31 (cont)</b>
LM End	<b>4.25</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62632\_60733.jpg



Pipe, flapgate, and headwall visible at WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62632\_60732.jpg



Pipe, flapgate, and headwall visible at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	4.25	Rating **	M	Issue No.	31 (cont)
LM End	4.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.307930 °	37.307930 °
				-120.923057 °	-120.923057 °
DWR ID	19608				

Photo 3 of 3 : UCIP\_SP\_2021\_62632\_60734.jpg



Concrete headwall at LS toe.

LM Start	4.25	Rating **	M	Issue No.	100
LM End	4.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.307892 °	37.301049 °
				-120.922967 °	-120.920392 °
DWR ID	DWR_NA0010_01_s_2021_100				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.26	Rating **	M	Issue No.	102
LM End	4.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.307826 °	37.307826 °
				-120.922735 °	-120.922735 °
DWR ID	DWR_NA0010_01_s_2019_102				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	4.69	Rating **	U	Issue No.	32	
LM End	4.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.302408 °	37.302408 °	
				-120.920931 °	-120.920931 °	
DWR ID	19609					
Comment Code						
Inspector Comment						
FS_ID:62633 DS_ID:19609 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/20/2020 Pipe status is still Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Crossing will be monitored until funding becomes available for rehabilitation or removal. Evidence of landslide of LS slope from crown. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward side. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.73), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 4.72), listed as a 24-inch CMP]. FS Date: 10/20/2020						

Photo 1 of 3 : UCIP\_SP\_2021\_62633\_60737.jpg



Pipe, flapgate, and headwall on WS toe.

LM Start	<b>4.69</b>	Rating **	U	Issue No.	<b>32 (cont)</b>
LM End	<b>4.69</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62633\_60738.jpg



Pipe, flapgate, and headwall on WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	4.69	Rating **	U	Issue No.	32 (cont)
LM End	4.69	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.302408 °	37.302408 °
				-120.920931 °	-120.920931 °
DWR ID	19609				

Photo 3 of 3 : UCIP\_SP\_2021\_62633\_60736.jpg



Pipe and concrete headwall on LS toe.

LM Start	4.69	Rating **	A/W	Issue No.	9
LM End	4.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.302398 °	37.302398 °
				-120.920920 °	-120.920920 °
DWR ID	DWR_NA0010_01_s_2013_9				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Damage has been repaired. Backfill appears loosely compacted, monitor for potential settlement.					

Photo 1 of 1 : SP\_2021\_NA0010\_118\_9\_20210517\_00304.jpg



View of repaired slope damage on the landside. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>5.02</b>	Rating **	M	Issue No.	<b>33</b>
LM End	<b>5.02</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.298917 °	37.298917 °	
			-120.917262 °	-120.917262 °	
DWR ID	19610				

Comment Code

Inspector Comment

FS\_ID:62634  
DS\_ID:19610  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 10/20/2020 Pipe not visible on LS, high vegetation limiting inspections. 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 completed an internal inspection of the pipe but is scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Non-functional -- sediment buildup against flapgate and inlet buried at landward side. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 5.06), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 5.05), listed as a 24-inch CMP].  
FS Date: 10/20/2020

LM Start	<b>5.02</b>	Rating **	M	Issue No.	<b>33 (cont)</b>
LM End	<b>5.02</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62634\_60740.jpg



Flapgate and headwall visible at WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62634\_60739.jpg



Flapgate and headwall visible at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	5.92	Rating **	M	Issue No.	34
LM End	5.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.303612 °	37.303612 °
				-120.903704 °	-120.903704 °
DWR ID	19611				

**Comment Code**

**Inspector Comment**

FS\_ID:62650  
DS\_ID:19611  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 10/20/2020 Pipe status is still non-urgent. Depression observed across levee crown, less than 6 inches in depth. Pipe at LS completely blocked by soil. Dense vegetation inhibiting proper inspection. Recommend soil and vegetation removal. 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 but is scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Landward side filled in with soil. Need to contact owner. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 5.96), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 5.95), listed as a 24-inch CMP].  
FS Date: 10/20/2020

LM Start	<b>5.92</b>	Rating **	M	Issue No.	<b>34 (cont)</b>
LM End	<b>5.92</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62650\_60742.jpg



Pipe, concrete headwall, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62650\_60741.jpg



Top of concrete headwall just visible on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>5.92</b>	Rating **	M	Issue No.	<b>34 (cont)</b>
LM End	<b>5.92</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.303612 °	37.303612 °
				-120.903704 °	-120.903704 °
DWR ID	19611				

Photo 3 of 3 : UCIP\_SP\_2021\_62650\_90689.jpg



Overview of levee crown, looking US

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>6.10</b>	Rating **	M	Issue No.	<b>35</b>							
LM End	<b>6.10</b>	Issue Type +	Ma	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DWR UCIP LMA Responsibility		37.304232 °	37.304232 °								
			-120.900706 °	-120.900706 °								
DWR ID	19612											
Comment Code												
Inspector Comment												
FS_ID:62636 DS_ID:19612 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/20/2020 Dense vegetation inhibited proper inspections. Recommend vegetation removal. Pipe angled through levee. Scour observed on LS toe surrounding headwall. 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 completed an internal inspection of the pipe but is scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Pipe completely blocked by soil on LS toe due to animal activity. Slide gate blocked open. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 13.1 feet below the crown. Walkway to slide gate at the concrete headwall on the landside (LS) toe. Flap gate at the concrete headwall on the waterside (WS) toe. Brass cap No. 90 bench mark (BM) on the headwall on the LS. Pipe crosses the levee at an angle. [Additional Reference(s): DWR Levee Log, 2002 (HLM 6.13), listed as a 48-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 6.13), listed as a 48-inch CMP]. FS Date: 10/20/2020												

Photo 1 of 3 : UCIP\_SP\_2021\_62636\_60745.jpg



Slidegate at LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>6.10</b>	Rating **	M	Issue No.	<b>35 (cont)</b>
LM End	<b>6.10</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.304232 °	37.304232 °
				-120.900706 °	-120.900706 °
DWR ID	19612				

Photo 2 of 3 : UCIP\_SP\_2021\_62636\_60744.jpg



Pipe, concrete headwall, slidegate, and metal walkway on LS toe.

LM Start	<b>6.10</b>	Rating **	M	Issue No.	<b>35 (cont)</b>
LM End	<b>6.10</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62636\_60743.jpg



Flapgate on concrete headwall at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>6.39</b>	Rating **	M	Issue No.	<b>36</b>
LM End	<b>6.39</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.304459 °	37.304459 °	
			-120.895863 °	-120.895863 °	
DWR ID	19613				

**Comment Code**

**Inspector Comment**

FS\_ID:62638  
DS\_ID:19613  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 10/20/2020 Pipe status is still Non-Urgent. Dense vegetation on WS toe, recommend removal for proper inspection. Minor scour visible on LS toe near standpipe. 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 but is scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Slide gate on the landside (LS) end next to a 48-inch concrete riser with walkway over the top. Brass cap No. 90 bench mark (BM) on the headwall on the LS. [Additional Reference(s): DWR Levee Log, 2002 (HLM 6.44), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 6.40), listed as a 24-inch CMP].  
FS Date: 10/20/2020

LM Start	<b>6.39</b>	Rating **	M	Issue No.	<b>36 (cont)</b>
LM End	<b>6.39</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62638\_60762.jpg



Pipe, flapgate, and concrete headwall on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62638\_60760.jpg



Pipe, flapgate, and concrete headwall on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	6.39	Rating **	M	Issue No.	36 (cont)
LM End	6.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.304459 °	37.304459 °
				-120.895863 °	-120.895863 °
DWR ID	19613				

Photo 3 of 3 : UCIP\_SP\_2021\_62638\_60761.jpg



Metal walkway over concrete standpipe next to slide gate on LS toe.

LM Start	6.61	Rating **	M	Issue No.	37
LM End	6.61	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.303815 °	37.303815 °
				-120.891955 °	-120.891955 °
DWR ID	19614				

#### Comment Code

#### Inspector Comment

FS\_ID:62639  
DS\_ID:19614  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 10/20/2020 Pipe status is still Non-Urgent, but DMP inspection is recommended. Dense vegetation inhibits inspection of pipe at LS toe, and both slopes. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP)7/19/2016 Same as previous inspection. Outlet and inlet are under water. (O. Magana - DWR UCIP)4/08/2014 Flapgate blocked by sedimentation at WS toe. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Also recommend clearing vegetation from both waterward and landward toe. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Wooden fence around a 4-foot by 4-foot drop inlet on the landside (LS) toe. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the LS. [Additional Reference(s): DWR Levee Log, 2002 (HLM 6.65), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 6.64), listed as a 24-inch CMP].  
FS Date: 10/20/2020

Photo 1 of 3 : UCIP\_SP\_2021\_62639\_60764.jpg



Pipe and flapgate visible on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>6.61</b>	Rating **	M	Issue No.	<b>37 (cont)</b>
LM End	<b>6.61</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.303815 °	37.303815 °
				-120.891955 °	-120.891955 °
DWR ID	19614				

Photo 2 of 3 : UCIP\_SP\_2021\_62639\_60766.jpg



Pipe and flapgate visible at WS toe. Flapgate blocked by sedimentation on WS toe.

LM Start	<b>6.61</b>	Rating **	M	Issue No.	<b>37 (cont)</b>
LM End	<b>6.61</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62639\_60765.jpg



Wooden barrier around drop inlet on LS toe. Excess vegetation.

LM Start	6.75	Rating **	M	Issue No.	119
LM End	8.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.302823 °	37.297070 °
				-120.889837 °	-120.855318 °
DWR ID	DWR_NA0010_01_s_2021_119				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>6.78</b>	Rating **	M	Issue No.	<b>128</b>
LM End	<b>8.75</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.302643 °	37.297052 °	
			-120.889346 °	-120.855503 °	
DWR ID	DWR_NA0010_01_s_2021_128				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	6.86	Rating **	U	Issue No.	38	
LM End	6.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.302098 °	37.302098 °	
				-120.887943 °	-120.887943 °	
DWR ID	19615					
Comment Code						
Inspector Comment						
FS_ID:62642 DS_ID:19615 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/20/2020 Pipe status is Urgent. Surface erosion present on LS slope. Corrosion through pipe near flapgate and surface erosion at WS toe. Plastic sheeting was placed approximately 15 feet downstream of the pipe to prevent further erosion. Recommend DMP inspection. Crossing will continued to be monitored. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP)7/19/2016 Potential LS slope damage--difficult to determine due to dense vegetation. Limited access on WS toe due to wire fence. (O. Magana - DWR UCIP)4/08/2014 Slide gate blocked by debris at LS toe. Flapgate won't close because of debris. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 10.3 feet below the crown. Slide gate on the landside (LS) toe. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the LS. [Additional Reference(s): DWR Levee Log, 2002 (HLM 6.90), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 6.90), listed as a 36-inch CMP]. FS Date: 10/20/2020						

Photo 1 of 3 : UCIP\_SP\_2021\_62642\_60768.jpg



Pipe, headwall, and flapgate on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>6.86</b>	Rating **	U	Issue No.	<b>38 (cont)</b>
LM End	<b>6.86</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.302098 °	37.302098 °
				-120.887943 °	-120.887943 °
DWR ID	19615				

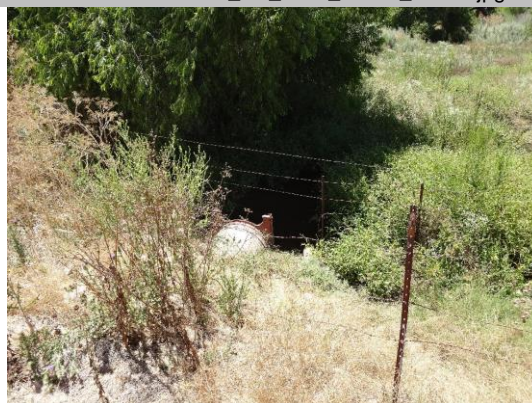
Photo 2 of 3 : UCIP\_SP\_2021\_62642\_60767.jpg



Pipe, concrete headwall, and slidegate on LS toe. Debris blocking closure of slidegate.

LM Start	<b>6.86</b>	Rating **	U	Issue No.	<b>38 (cont)</b>
LM End	<b>6.86</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62642\_75470.jpg



View of WS--fence limits access to flap gate.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	7.18	Rating **	U	Issue No.	39
LM End	7.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.300055 °	37.300055 °
				-120.882939 °	-120.882939 °
DWR ID	19616				

**Comment Code**

**Inspector Comment**

FS\_ID:62641

DS\_ID:19616

EP\_NO: N/A

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 10/20/2020 Pipe status is still Urgent - recommend replacement. DWR DMP has found integrity issues, LOF between 5 and 6. Pipe deeply corroded. 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. (B. Singh - GEI, O. Magana - DWR UCIP)11/01/2018 Pipe continues to corrode through. Voids (undermining) along pipe invert are visible from the LS. Potential undermining caused by erosion under concrete apron on the WS. Crossing remains Urgent due to the pipe failure. (O. Magana - DWR UCIP)04/08/2014 Pipe failing and corroded through at LS toe. Need to contact owner to determine status of crossing. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)

FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5.1 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 7.22), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 7.21), listed as a 24-inch CMP]. FS Date: 10/20/2020

Photo 1 of 3 : UCIP\_SP\_2021\_62641\_60770.jpg



Pipe, concrete headwall, and flapgate on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>7.18</b>	Rating **	U	Issue No.	<b>39 (cont)</b>
LM End	<b>7.18</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.300055 °	37.300055 °
				-120.882939 °	-120.882939 °
DWR ID	19616				

Photo 2 of 3 : UCIP\_SP\_2021\_62641\_60772.jpg



Flapgate and concrete headwall on WS toe.

LM Start	<b>7.18</b>	Rating **	U	Issue No.	<b>39 (cont)</b>
LM End	<b>7.18</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62641\_60771.jpg



Pipe and Concrete headwall visible on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	7.42	Rating **	U	Issue No.	41
LM End	7.42	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.299817 °	37.299817 °
				-120.878519 °	-120.878519 °
DWR ID	19618				
Comment Code					
Inspector Comment					
FS_ID:62644 DS_ID:19618 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/20/2020 Pipe status is 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. (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 7.46), listed as a corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 7.46), listed as a 24-inch CMP]. FS Date: 10/20/2020					

Photo 1 of 3 : UCIP\_SP\_2021\_62644\_60778.jpg



Pipe and flapgate visible on WS toe.

LM Start	7.42	Rating **	U	Issue No.	41 (cont)
LM End	7.42	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62644\_60780.jpg



Pipe and flapgate visible on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	7.42	Rating **	U	Issue No.	41 (cont)
LM End	7.42	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.299817 °	37.299817 °
				-120.878519 °	-120.878519 °
DWR ID	19618				

Photo 3 of 3 : UCIP\_SP\_2021\_62644\_60779.jpg



Concrete headwall and pipe visible off LS toe in heavy vegetation.

LM Start	7.65	Rating **	U	Issue No.	42
LM End	7.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.299211 °	37.299211 °
				-120.874415 °	-120.874415 °
DWR ID	19619				

#### Comment Code

#### Inspector Comment

FS\_ID:62653  
DS\_ID:19619  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 10/20/2020 Pipe status is Urgent. Sloughing observed above pipe and headwall on LS slope. 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. (B. Singh - GEI, O. Magana - DWR UCIP)04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 7.70), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 7.69), listed as a 24-inch CMP].  
FS Date: 10/20/2020

Photo 1 of 3 : UCIP\_SP\_2021\_62653\_60842.jpg



Flapgate and headwall at WS toe. Heavy vegetation on slopes.

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

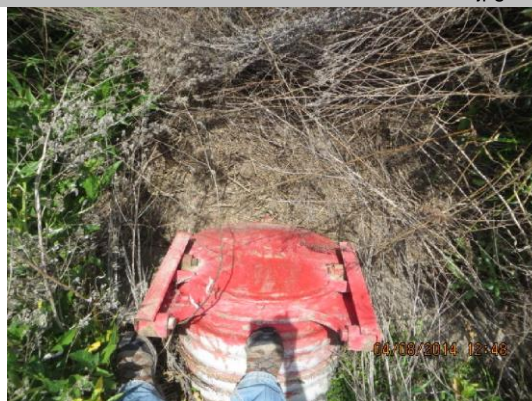
## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>7.65</b>	Rating **	U	Issue No.	<b>42 (cont)</b>
LM End	<b>7.65</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.299211 °	37.299211 °
				-120.874415 °	-120.874415 °
DWR ID	19619				

Photo 2 of 3 : UCIP\_SP\_2021\_62653\_60840.jpg



Flapgate and headwall at WS toe.

LM Start	<b>7.65</b>	Rating **	U	Issue No.	<b>42 (cont)</b>
LM End	<b>7.65</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62653\_60841.jpg



Concrete headwall at LS toe. Heavy vegetation on both slopes.

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

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	8.03	Rating **	U	Issue No.	43
LM End	8.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.298711 °	37.298711 °
				-120.867756 °	-120.867756 °
DWR ID	19620				
Comment Code					
Inspector Comment					
FS_ID:62654 DS_ID:19620 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/20/2020 Pipe status is Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Corrosion in pipe visible at LS toe. Crossing will be monitored until funding becomes available for rehabilitation or removal. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP)04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.09), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 8.07), listed as a 24-inch CMP]. FS Date: 10/20/2020					

LM Start	<b>8.03</b>	Rating **	U	Issue No.	<b>43 (cont)</b>
LM End	<b>8.03</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62654\_60844.jpg



Pipe, Headwall, and flapgate at WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62654\_60847.jpg



Pipe, Headwall, and flapgate at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>8.03</b>	Rating **	U	Issue No.	<b>43 (cont)</b>
LM End	<b>8.03</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.298711 °	37.298711 °
				-120.867756 °	-120.867756 °
DWR ID	19620				

Photo 3 of 3 : UCIP\_SP\_2021\_62654\_60846.jpg



Pipe and concrete headwall on LS toe.

LM Start	<b>8.38</b>	Rating **	U	Issue No.	<b>44</b>
LM End	<b>8.38</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.296637 °	37.296637 °
				-120.861994 °	-120.861994 °
DWR ID	19621				

#### Comment Code

#### Inspector Comment

FS\_ID:62660  
DS\_ID:19621  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 10/20/2020 Pipe status is 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. (B. Singh - GEI, O. Magana - DWR UCIP)04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup at landward toe. (W. Wylie - DWR UCIP) FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.43), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 8.41), listed as a 24-inch CMP]. FS Date: 10/20/2020

Photo 1 of 3 : UCIP\_SP\_2021\_62660\_60850.jpg



Concrete headwall, pipe, and flapgate at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	8.38	Rating **	U	Issue No.	44 (cont)
LM End	8.38	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.296637 °	37.296637 °
				-120.861994 °	-120.861994 °
DWR ID	19621				

Photo 2 of 3 : UCIP\_SP\_2021\_62660\_60848.jpg



Concrete headwall, pipe, and flapgate at WS toe.

LM Start	<b>8.38</b>	Rating **	U	Issue No.	<b>44 (cont)</b>
LM End	<b>8.38</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62660\_60849.jpg



Pipe and concrete headwall at LS toe. Note heavy vegetation.

LM Start	8.55	Rating **	M	Issue No.	12
LM End	8.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.296489 °	37.296764 °
				-120.859081 °	-120.857635 °
DWR ID	DWR_NA0010_01_s_2018_12				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes observed along this section.					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	8.57	Rating **	M	Issue No.	45	
LM End	8.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.296552 °	37.296552 °	
				-120.858596 °	-120.858596 °	
DWR ID	19622					
Comment Code						
Inspector Comment						
FS_ID:62662						
DS_ID:19622						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 10/20/2020 Pipe status is Non-Urgent. Large burrow hole observed approximately 100 feet downstream of the pipe, on LS shoulder of the levee crown. 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. (B. Singh - GEI, O. Magana - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.62), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 8.61), listed as a 24-inch CMP].						
FS Date: 10/20/2020						

LM Start	<b>8.57</b>	Rating **	M	Issue No.	<b>45 (cont)</b>
LM End	<b>8.57</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62662\_60854.jpg



Pipe, Flapgate, and headwall on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62662\_60855.jpg



Pipe, Flapgate, and headwall on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>8.89</b>	Rating **	M	Issue No.	<b>46 (cont)</b>
LM End	<b>8.89</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.297296 °	37.297296 °
				-120.852871 °	-120.852871 °
DWR ID	19623				

Photo 2 of 3 : UCIP\_SP\_2021\_62663\_60860.jpg



Pipe, flapgate, and headwall on WS toe.

LM Start	<b>8.89</b>	Rating **	M	Issue No.	<b>46 (cont)</b>
LM End	<b>8.89</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62663\_60858.jpg



Pipe and headwall visible on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	8.97	Rating **	M	Issue No.	48	
LM End	8.97	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.297425 °	37.297425 °	
				-120.851522 °	-120.851522 °	
DWR ID	19625					
Comment Code						
Inspector Comment						
FS_ID:62665 DS_ID:19625 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/20/2020 As in previous inspection, dense vegetation inhibited proper inspection of the pipe and slope. 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 completed an internal inspection of the pipe but is scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Some sediment buildup in pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 9.01), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 9.00), listed as a 36-inch CMP]. FS Date: 10/20/2020						

LM Start	<b>8.97</b>	Rating **	M	Issue No.	<b>48 (cont)</b>
LM End	<b>8.97</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62665\_60870.jpg



Pipe and flapgate visible on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62665\_60869.jpg



Pipe and flapgate visible on WS toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	8.99	Rating **	M	Issue No.	49 (cont)
LM End	8.99	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.297488 °	37.297488 °
				-120.851157 °	-120.851157 °
DWR ID	19626				

Photo 2 of 3 : UCIP\_SP\_2021\_62695\_60871.jpg



Pipe, concrete headwall, and flapgate at WS toe.

LM Start	<b>8.99</b>	Rating **	M	Issue No.	<b>49 (cont)</b>
LM End	<b>8.99</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62695\_90906.jpg



Overview of levee crown

LM Start	9.01	Rating **	U	Issue No.	129
LM End	9.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.297502 °	37.295038 °
				-120.850732 °	-120.840723 °
DWR ID	DWR_NA0010_01_s_2021_129				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_118\_129\_20210517\_00308.jpg



View of the landside slope looking upstream. (Spring 2021)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	9.01	Rating **	U	Issue No.	131
LM End	9.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.297502 °	37.295457 °
				-120.850731 °	-120.842752 °
DWR ID	DWR_NA0010_01_s_2021_131				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_118\_131\_20210517\_00309.jpg



Looking upstream along the waterside slope. (Spring 2021)

LM Start	9.34	Rating **	U	Issue No.	50	
LM End	9.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.295413 °	37.295413 °	
				-120.845664 °	-120.845664 °	
DWR ID	19627					
Comment Code						
Inspector Comment						
FS_ID:62696 DS_ID:19627 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/21/2020 Pipe status is Urgent. DWR DMP has found integrity issues, LOF between 5 and 6. Scouring observed approximately 2 feet DS of pipe at WS toe. 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. (B. Singh - GEI, O. Magana - DWR UCIP)04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP ) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.6 feet below the crown. Concrete drop inlet at the landside (LS) toe. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the LS. [Additional Reference(s): DWR Levee Log, 2002 (HLM 9.39), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 9.37), listed as 24-inch CMP]. FS Date: 10/21/2020						

Photo 1 of 3 : UCIP\_SP\_2021\_62696\_60875.jpg



Pipe and flapgate on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>9.34</b>	Rating **	U	Issue No.	<b>50 (cont)</b>
LM End	<b>9.34</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.295413 °	37.295413 °
				-120.845664 °	-120.845664 °
DWR ID	19627				

Photo 2 of 3 : UCIP\_SP\_2021\_62696\_60876.jpg



Headwall, Pipe, and flapgate on WS toe.

LM Start	<b>9.34</b>	Rating **	U	Issue No.	<b>50 (cont)</b>
LM End	<b>9.34</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62696\_60874.jpg



Concrete drop-inlet installed on pipe at LS toe.

LM Start	9.56	Rating **	M	Issue No.	101
LM End	9.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.295541 °	37.295541 °
				-120.841739 °	-120.841739 °
DWR ID	DWR_NA0010_01_f_2020_101				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_118\_101\_20210308\_00012.jpg



Rodent burrows in the landside slope. (Fall 2020)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	9.64	Rating **	M	Issue No.	51	
LM End	9.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.294845 °	37.294845 °	
				-120.840580 °	-120.840580 °	
DWR ID	19628					
Comment Code						
Inspector Comment						
FS_ID:62697 DS_ID:19628 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2020 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. (B. Singh - GEI, O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 4.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 9.68), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 9.67), listed as a 24-inch CMP]. FS Date: 10/21/2020						

Photo 1 of 3 : UCIP\_SP\_2021\_62697\_60880.jpg



Pipe, flapgate, and headwall visible on WS toe.

LM Start	<b>9.64</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>9.64</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62697\_90915.jpg



Overview of levee crown

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>9.99</b>	Rating **	M	Issue No.	<b>121</b>
LM End	<b>9.99</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.290432 °	37.290432 °	
			-120.840189 °	-120.840189 °	
DWR ID	DWR_NA0010_01_f_2018_121				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes noted at this location.					

No Photos

LM Start	<b>10.03</b>	Rating **	M	Issue No.	<b>133</b>
LM End	<b>10.69</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.289927 °	37.283694 °	
			-120.840531 °	-120.833286 °	
DWR ID	DWR_NA0010_01_s_2021_133				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>10.08</b>	Rating **	M	Issue No.	<b>135</b>
LM End	<b>10.69</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.289191 °	37.283694 °	
			-120.840630 °	-120.833286 °	
DWR ID	DWR_NA0010_01_s_2021_135				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	10.20	Rating **	M	Issue No.	54	
LM End	10.20	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.287511 °	37.287511 °	
				-120.840251 °	-120.840251 °	
DWR ID	19629					
Comment Code						
Inspector Comment						
FS_ID:62698						
DS_ID:19629						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 10/21/2020 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. (B. Singh - GEI, O. Magana - DWR UCIP)04/09/2014 Dense vegetation blocks waterward and landward toes Recommend removing vegetation from both toes. Also sediment buildup in pipe visible from landward side. (W. Wylie - UCIP DMP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 69 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 10.24), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 10.23), listed as a 24-inch CMP].						
FS Date: 10/21/2020						

Photo 1 of 3 : UCIP\_SP\_2021\_62698\_60884.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	10.20	Rating **	M	Issue No.	54 (cont)
LM End	10.20	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62698\_60886.jpg



Pipe, headwall, and flapgate at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>10.68</b>	Rating **	M	Issue No.	<b>55 (cont)</b>
LM End	<b>10.68</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.283740 °	37.283740 °
				-120.833452 °	-120.833452 °
DWR ID	19630				

Photo 2 of 3 : UCIP\_SP\_2021\_62711\_60889.jpg



Pipe and headwall on LS toe.

LM Start	<b>10.68</b>	Rating **	M	Issue No.	<b>55 (cont)</b>
LM End	<b>10.68</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62711\_60888.jpg



Pipe and headwall on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	10.69	Rating **	U	Issue No.	56
LM End	10.69	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.283710 °	37.283710 °
				-120.833329 °	-120.833329 °
DWR ID	19631				
Comment Code					
Inspector Comment					
FS_ID:62714 DS_ID:19631 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/21/2020 Pipe status is 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. (B. Singh - GEI, O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 67 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 10.74), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 10.72), listed as a 24-inch CMP]. FS Date: 10/21/2020					

LM Start	10.69	Rating **	U	Issue No.	56 (cont)
LM End	10.69	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62714\_60894.jpg



Headwall, pipe, and flapgate on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62714\_60893.jpg



Headwall, pipe, and flapgate on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>10.98</b>	Rating **	M	Issue No.	<b>57 (cont)</b>
LM End	<b>10.98</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.282627 °	37.282627 °
				-120.828233 °	-120.828233 °
DWR ID	19632				

Photo 2 of 3 : UCIP\_SP\_2021\_62699\_60899.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	<b>10.98</b>	Rating **	M	Issue No.	<b>57 (cont)</b>
LM End	<b>10.98</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62699\_60898.jpg



Pipe and headwall on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	11.14	Rating **	M	Issue No.	58 (cont)
LM End	11.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.281813 °	37.281813 °
				-120.825409 °	-120.825409 °
DWR ID	19633				

Photo 3 of 3 : UCIP\_SP\_2021\_62700\_60901.jpg



Pipe and headwall at LS toe.

LM Start	11.37	Rating **	M	Issue No.	151
LM End	11.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.275481 °	37.275481 °
				-120.826042 °	-120.826042 °
DWR ID	DWR_NA0010_01_s_2020_151				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_118\_151\_20210308\_00030.jpg



Rodent burrows in the landside slope. (Spring 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	11.37	Rating **	M	Issue No.	59	
LM End	11.37	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.275518 °	37.275518 °	
				-120.826052 °	-120.826052 °	
DWR ID	19814					
Comment Code						
Inspector Comment						
FS_ID:62701 DS_ID:19814 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2020 Pipe status is still Non-Urgent. Steep slopes prevented further inspection. 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. (B. Singh - GEI, O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through levee, 12 feet below the crown. Two metal cutoff walls. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (recorded as U6 HLM 0.05 should be U1 HLM 11.37)]. FS Date: 10/21/2020						

Photo 1 of 3 : UCIP\_SP\_2021\_62701\_90940.jpg



Overview of levee crown

LM Start	11.37	Rating **	M	Issue No.	59 (cont)
LM End	11.37	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62701\_90941.jpg



View landward

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	11.37	Rating **	M	Issue No.	59 (cont)
LM End	11.37	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.275518 °	37.275518 °
				-120.826052 °	-120.826052 °
DWR ID	19814				

Photo 3 of 3 : UCIP\_SP\_2021\_62701\_90942.jpg



View waterward. Pipe and flapgate visible

LM Start	11.49	Rating **	U	Issue No.	60
LM End	11.49	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.273787 °	37.273787 °
				-120.825519 °	-120.825519 °
DWR ID	19634				

#### Comment Code

#### Inspector Comment

FS\_ID:62702  
DS\_ID:19634  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 10/21/2020 Pipe status is Urgent. DWR DMP has found integrity issues, LOF between 4 and 5. Dense vegetation inhibited inspection of pipe and headwall at LS toe; Pipe not found at LS toe. 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. (B. Singh - GEI, O. Magana - DWR UCIP)04/25/2014 Need to contact owner--landward side has been buried. It appears that soil was removed from levee toe, immediately upstream, and used to pile soil at landward side at crossing. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 62 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 11.48), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 11.48), listed as a 24-inch CMP].  
FS Date: 10/21/2020

Photo 1 of 3 : UCIP\_SP\_2021\_62702\_65362.jpg



View of waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	11.49	Rating **	U	Issue No.	60 (cont)	
LM End	11.49	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.273787 °		37.273787 °
				-120.825519 °		-120.825519 °
DWR ID	19634					

Photo 2 of 3 : UCIP\_SP\_2021\_62702\_65364.jpg



View of concrete headwall and flap gate visible on waterward side.

LM Start	<b>11.49</b>	Rating **	U	Issue No.	<b>60 (cont)</b>
LM End	<b>11.49</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62702\_65363.jpg



Inside view of pipe from waterward side.

LM Start	11.53	Rating **	M	Issue No.	136
LM End	11.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.273150 °	37.273150 °
				-120.825630 °	-120.825630 °
DWR ID	DWR_NA0010_01_s_2021_136				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Rodents and burrows observed on landside slope and levee crown at this location.					

No Photos

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>11.62</b>	Rating **	M	Issue No.	<b>132</b>
LM End	<b>11.62</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.271863 °	37.271863 °	
			-120.825903 °	-120.825903 °	
DWR ID	DWR_NA0010_01_s_2019_132				
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                      N : Not Inspected/Rated  
 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	11.78	Rating **	M	Issue No.	61	
LM End	11.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.269701 °		37.269701 °
				-120.826450 °		-120.826450 °
DWR ID	19635					
Comment Code						
Inspector Comment						
FS_ID:62703 DS_ID:19635 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2020 Pipe status is still Non-Urgent. Geophysics study found evidence of pipe at coordinates 2272708.537, 13540017.857. Pipe and flapgate buried by dry vegetation at WS toe and pipe and headwall blocked by debris at LS toe, inhibiting proper inspection. Recommend removal of excess vegetation. 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 but is scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)04/25/2014 Crossing is non-functional -- landward side is buried. Debris found on landward side (channel). Dense vegetation found on waterward slope. Recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 17 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 61 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 11.77), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 11.76), listed as a 24-inch CMP]. FS Date: 10/21/2020						

Photo 1 of 3 : UCIP\_SP\_2021\_62703\_65372.jpg



View of waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	11.78	Rating **	M	Issue No.	61 (cont)
LM End	11.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.269701 °	37.269701 °
				-120.826450 °	-120.826450 °
DWR ID	19635				

Photo 2 of 3 : UCIP\_SP\_2021\_62703\_65371.jpg



Landward side of crossing buried--damage pipe section visible on landward side.

LM Start	11.78	Rating **	M	Issue No.	61 (cont)
LM End	11.78	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62703\_65373.jpg



View of landward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	12.12	Rating **	M	Issue No.	62	
LM End	12.12	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.265336 °	37.265336 °	
				-120.826591 °	-120.826591 °	
DWR ID	19636					
Comment Code						
Inspector Comment						
FS_ID:62704 DS_ID:19636 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2020 Dense vegetation inhibited proper inspection of pipe at LS and WS toes. 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 completed an internal inspection of the pipe but is scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)04/25/2014 Crossing is non-functional --landward side is buried. Dense vegetation found on waterward slope. Recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 12.12), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 12.11), listed as a 24-inch CMP]. FS Date: 10/21/2020						

LM Start	12.12	Rating **	M	Issue No.	62 (cont)
LM End	12.12	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62704\_65378.jpg



View of waterward side--flap gate visible on waterward toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62704\_65379.jpg



Flap gate and concrete headwall visible on waterward side.

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

Page 84 of 122



**Flood Control Project Maintenance  
Levee Inspections**

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	12.95	Rating **	U	Issue No.	63 (cont)	
LM End	12.95	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.256873 °	37.256873 °	
				-120.821277 °	-120.821277 °	
DWR ID	19637					

Photo 2 of 3 : UCIP\_SP\_2021\_62705\_65411.jpg



Flap gate and concrete headwall visible on waterward side.

LM Start	<b>12.95</b>	Rating **	U	Issue No.	<b>63 (cont)</b>
LM End	<b>12.95</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62705\_65410.jpg



View of landward side--concrete headwall visible covered by dense vegetation.

LM Start	12.99	Rating **	M	Issue No.	137
LM End	17.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.256410 °	37.215997 °
				-120.820694 °	-120.778917 °
DWR ID	DWR_NA0010_01_s_2021_137				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	13.00	Rating **	M	Issue No.	138
LM End	17.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.256347 °	37.215997 °
				-120.820616 °	-120.778916 °
DWR ID	DWR_NA0010_01_s_2021_138				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	13.49	Rating **	M	Issue No.	64
LM End	13.49	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.251590 °	37.251590 °
				-120.814354 °	-120.814354 °
DWR ID	19638				
Comment Code					
Inspector Comment					
FS_ID:62706 DS_ID:19638 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2020 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 completed an internal inspection of the pipe but is scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Concrete headwall blocked by debris located on landward toe. Recommend clearing debris from landward slope and toe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.2 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 13.48), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 13.48), listed as a 24-inch CMP]. FS Date: 10/21/2020					

Photo 1 of 3 : UCIP\_SP\_2021\_62706\_65389.jpg



View of waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	13.49	Rating **	M	Issue No.	64 (cont)
LM End	13.49	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.251590 °	37.251590 °
				-120.814354 °	-120.814354 °
DWR ID	19638				

Photo 2 of 3 : UCIP\_SP\_2021\_62706\_65387.jpg



View of flap gate and pipe through levee on waterward side.

LM Start	<b>13.49</b>	Rating **	M	Issue No.	<b>64 (cont)</b>
LM End	<b>13.49</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62706\_65388.jpg



View of landward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	13.59	Rating **	M	Issue No.	65
LM End	13.59	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.250138 °	37.250138 °
				-120.814720 °	-120.814720 °
DWR ID	19639				

**Comment Code**

**Inspector Comment**

FS\_ID:62707  
DS\_ID:19639  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 10/21/2020 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 completed an internal inspection of the pipe but is scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)04/25/2014 No access to waterward toe due to fence. Unable to find the concrete headwall and flap gate on waterward side past fence. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Also need access past fence on waterward side. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 13.58), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 13.58), listed as a 24-inch CMP].  
FS Date: 10/21/2020

LM Start	<b>13.59</b>	Rating **	M	Issue No.	<b>65 (cont)</b>
LM End	<b>13.59</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62707\_65418.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_62707\_65417.jpg



Dense vegetation on waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	13.59	Rating **	M	Issue No.	65 (cont)	
LM End	13.59	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.250138 °	37.250138 °	
				-120.814720 °	-120.814720 °	
DWR ID	19639					

Photo 3 of 3 : UCIP\_SP\_2021\_62707\_65416.jpg



Concrete headwall visible from landward side.

LM Start	14.22	Rating **	M	Issue No.	67
LM End	14.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.242225 °	37.242225 °
				-120.817665 °	-120.817665 °
DWR ID	19641				

**Comment Code**

**Inspector Comment**

FS\_ID:62709  
DS\_ID:19641  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 10/21/2020 Dense vegetation at LS and WS toes inhibited proper inspection. 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. (B. Singh - GEI, O. Magana - DWR UCIP)04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 14.22), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 14.21), listed as a 24-inch CMP]. FS Date: 10/21/2020

Photo 1 of 3 : UCIP\_SP\_2021\_62709\_65449.jpg



View of waterward side.

**\* Location**

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

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	14.22	Rating **	M	Issue No.	67 (cont)
LM End	14.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.242225 °	37.242225 °
				-120.817665 °	-120.817665 °
DWR ID	19641				

Photo 2 of 3 : UCIP\_SP\_2021\_62709\_65452.jpg



View of concrete headwall, concrete apron, and flap gate on waterward side.

LM Start	14.22	Rating **	M	Issue No.	67 (cont)
LM End	14.22	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62709\_65448.jpg



View of landward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	14.65	Rating **	M	Issue No.	68
LM End	14.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.237584 °	37.237584 °
				-120.812967 °	-120.812967 °
DWR ID	19642				
Comment Code					
Inspector Comment					
FS_ID:62710 DS_ID:19642 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/21/2020 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. (B. Singh - GEI, O. Magana - DWR UCIP)04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope and toe. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 14.65), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 14.65), listed as a 24-inch CMP]. FS Date: 10/21/2020					

Photo 1 of 3 : UCIP\_SP\_2021\_62710\_65455.jpg



View of waterward side.

LM Start	<b>14.65</b>	Rating **	M	Issue No.	<b>68 (cont)</b>
LM End	<b>14.65</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62710\_65454.jpg



Flap gate, concrete headwall, and concrete apron located on waterward toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	14.65	Rating **	M	Issue No.	68 (cont)	
LM End	14.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.237584 °	37.237584 °	
				-120.812967 °	-120.812967 °	
DWR ID	19642					

Photo 3 of 3 : UCIP\_SP\_2021\_62710\_65453.jpg



Concrete headwall located on landward toe.

LM Start	15.29	Rating **	M	Issue No.	69
LM End	15.29	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.231428 °	37.231428 °
				-120.805543 °	-120.805543 °
DWR ID	19643				

#### Comment Code

#### Inspector Comment

FS\_ID:62672  
DS\_ID:19643  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 11/16/2020 Pipe status is still Non-Urgent. Dense vegetation on LS toe limiting inhibited inspection of pipe. Significant burrowing observed on LS and WS slopes. Recommend vegetation removal and rodent mitigation. 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. (B. Singh - GEI, O. Magana - DWR UCIP)04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.2 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 15.31), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 15.29), listed as a 24-inch CMP].  
FS Date: 11/16/2020

Photo 1 of 3 : UCIP\_SP\_2021\_62672\_65459.jpg



View of waterward side.

* 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>15.29</b>	Rating **	M	Issue No.	<b>69 (cont)</b>
LM End	<b>15.29</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.231428 °	37.231428 °
				-120.805543 °	-120.805543 °
DWR ID	19643				

Photo 2 of 3 : UCIP\_SP\_2021\_62672\_65457.jpg



Concrete headwall, flap gate, and concrete apron located on waterward side.

LM Start	<b>15.29</b>	Rating **	M	Issue No.	<b>69 (cont)</b>
LM End	<b>15.29</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62672\_65458.jpg



View of landward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	15.58	Rating **	M	Issue No.	70	
LM End	15.58	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.228155 °	37.228155 °	
				-120.802645 °	-120.802645 °	
DWR ID	19644					
Comment Code						
Inspector Comment						
FS_ID:62673 DS_ID:19644 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/16/2020 Pipe status is still Non-Urgent. Dense vegetation on LS toe and slope inhibited proper inspection of pipe. 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 2.04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 15.57), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 15.57), listed as a 24-inch CMP]. FS Date: 11/16/2020						

Photo 1 of 3 : UCIP\_SP\_2021\_62673\_65464.jpg



View of waterward side--flap gate visible through dense vegetation.

LM Start	<b>15.58</b>	Rating **	M	Issue No.	<b>70 (cont)</b>
LM End	<b>15.58</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62673\_65463.jpg



View of waterward slope covered by dense vegetation.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	15.58	Rating **	M	Issue No.	70 (cont)
LM End	15.58	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.228155 °	37.228155 °
				-120.802645 °	-120.802645 °
DWR ID	19644				

Photo 3 of 3 : UCIP\_SP\_2021\_62673\_65462.jpg



Concrete headwall visible on landward toe--dense vegetation blocking inlet.

LM Start	15.82	Rating **	M	Issue No.	71
LM End	15.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.226099 °	37.226099 °
				-120.799125 °	-120.799125 °
DWR ID	19645				

Photo 1 of 3 : UCIP\_SP\_2021\_62674\_65471.jpg



View of waterward side.

Comment Code					
Inspector Comment					
FS_ID:62674 DS_ID:19645 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/16/2020 Pipe status is still Non-Urgent, however corrosion observed in pipe inlet at LS toe. Some burrowing activity on both LS and WS slope. 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 but is scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 15.82), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 15.81), listed as a 24-inch CMP]. FS Date: 11/16/2020					

* 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>15.82</b>	Rating **	M	Issue No.	<b>71 (cont)</b>
LM End	<b>15.82</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.226099 °	37.226099 °
				-120.799125 °	-120.799125 °
DWR ID	19645				

Photo 2 of 3 : UCIP\_SP\_2021\_62674\_65470.jpg



Flap gate visible on waterward side.

LM Start	<b>15.82</b>	Rating **	M	Issue No.	<b>71 (cont)</b>
LM End	<b>15.82</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62674\_65469.jpg



Side view of pipe and flap gate on waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>16.09</b>	Rating **	U	Issue No.	<b>72</b>
LM End	<b>16.09</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.224157 °	37.224157 °	
			-120.795250 °	-120.795250 °	
DWR ID	19646				

**Comment Code**

**Inspector Comment**

FS\_ID:62675  
DS\_ID:19646  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 11/16/2020 Pipe status is Urgent. DWR DMP has found integrity issues, LOF between 5 and 6. Crossing will be monitored until funding becomes available for removal. Burrowing activity observed on LS and WS slopes. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP)04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 16.09), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 16.09), listed as a 24-inch pipe].  
FS Date: 11/16/2020

LM Start	<b>16.09</b>	Rating **	U	Issue No.	<b>72 (cont)</b>
LM End	<b>16.09</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62675\_65476.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_62675\_65475.jpg



Flap gate visible on waterward toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	16.09	Rating **	U	Issue No.	72 (cont)
LM End	16.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.224157 °	37.224157 °
				-120.795250 °	-120.795250 °
DWR ID	19646				

Photo 3 of 3 : UCIP\_SP\_2021\_62675\_65474.jpg



View of landward side.

LM Start	16.15	Rating **	M	Issue No.	73
LM End	16.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.224120 °	37.224120 °
				-120.794002 °	-120.794002 °
DWR ID	19647				

#### Comment Code

#### Inspector Comment

FS\_ID:62671  
DS\_ID:19647  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 11/16/2020 DMP record missing, need to verify if pipe inspections have been completed. Pipe and flapgate on WS toe were under water and there is dense vegetation on the LS slope and toe, inhibiting inspection. Records indicate the pipe was cleaned and inspected in Q2 2020 but is missing from updated maps. Pipe status is still Non-Urgent. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP)04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Unable to find pipe on landward side. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 16.16), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 16.15), listed as a 24-inch pipe].  
FS Date: 11/16/2020

Photo 1 of 3 : UCIP\_SP\_2021\_62671\_65480.jpg



View of waterward side.

#### \* Location

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

#### \*\* Rating

A : Acceptable N : Not Inspected/Rated  
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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>16.15</b>	Rating **	M	Issue No.	<b>73 (cont)</b>
LM End	<b>16.15</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.224120 °	37.224120 °
				-120.794002 °	-120.794002 °
DWR ID	19647				

Photo 2 of 3 : UCIP\_SP\_2021\_62671\_65479.jpg



Crossing visible on waterward side under dense vegetation.

LM Start	<b>16.15</b>	Rating **	M	Issue No.	<b>73 (cont)</b>
LM End	<b>16.15</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62671\_65478.jpg



View of landward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>16.72</b>	Rating **	M	Issue No.	<b>75</b>
LM End	<b>16.72</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.224223 °	37.224223 °	
			-120.783806 °	-120.783806 °	
DWR ID	19648				

**Comment Code**

**Inspector Comment**

FS\_ID:62677  
DS\_ID:19648  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 11/16/2020 Pipe was not found at both LS and WS toes, possibly due to the dense vegetation. Recommend vegetation removal for proper inspections. DWR DMP has not completed an internal inspection of the pipe but is scheduled for 2021. No permit was found authorizing this encroachment. CVFPB will need to review crossing to determine owner. (B. Singh - GEI, O. Magana - DWR UCIP)04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Unable to find pipe on landward side. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.4 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 16.73), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 16.72), listed as a 24-inch CMP].  
FS Date: 11/16/2020

LM Start	<b>16.72</b>	Rating **	M	Issue No.	<b>75 (cont)</b>
LM End	<b>16.72</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62677\_66288.jpg



View of levee crown at crossing.

Photo 2 of 3 : UCIP\_SP\_2021\_62677\_66289.jpg



View of waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>16.72</b>	Rating **	M	Issue No.	<b>75 (cont)</b>
LM End	<b>16.72</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.224223 °	37.224223 °	
			-120.783806 °	-120.783806 °	
DWR ID	19648				

Photo 3 of 3 : UCIP\_SP\_2021\_62677\_66287.jpg



View of flap gate visible on waterward side.

LM Start	<b>17.01</b>	Rating **	M	Issue No.	<b>77</b>
LM End	<b>17.01</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.221838 °	37.221838 °	
			-120.780230 °	-120.780230 °	
DWR ID	19577				

Photo 1 of 3 : UCIP\_SP\_2021\_62678\_65518.jpg



View of waterward side.

Comment Code					
Inspector Comment					
FS_ID:62678 DS_ID:19577 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/16/2020 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. (B. Singh - GEI, O. Magana - DWR UCIP)04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Concrete headwall is buried by dense vegetation. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 17.01), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 17.01), listed as a 24-inch CMP]. FS Date: 11/16/2020					

* 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>17.01</b>	Rating **	M	Issue No.	<b>77 (cont)</b>
LM End	<b>17.01</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.221838 °	37.221838 °
				-120.780230 °	-120.780230 °
DWR ID	19577				

Photo 2 of 3 : UCIP\_SP\_2021\_62678\_65519.jpg



Flap gate visible on waterward side.

LM Start	<b>17.01</b>	Rating **	M	Issue No.	<b>77 (cont)</b>
LM End	<b>17.01</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62678\_65517.jpg



View of landward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	17.19	Rating **	M	Issue No.	78	
LM End	17.19	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.219302 °	37.219302 °	
				-120.779475 °	-120.779475 °	
DWR ID	19578					
Comment Code						
Inspector Comment						
FS_ID:62681 DS_ID:19578 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/16/2020 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. (B. Singh - GEI, O. Magana - DWR UCIP)04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup inside pipe visible from landward side. Recommend clearing pipe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 17.20), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 17.19), listed as a 24-inch CMP]. FS Date: 11/16/2020						

LM Start	17.19	Rating **	M	Issue No.	78 (cont)
LM End	17.19	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62681\_65525.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_62681\_65521.jpg



Pipe visible on waterward side.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	17.26	Rating **	M	Issue No.	79 (cont)
LM End	17.26	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.218332 °	37.218332 °
				-120.779459 °	-120.779459 °
DWR ID	19579				

Photo 2 of 3 : UCIP\_SP\_2021\_62680\_65552.jpg



Pipe visible on waterward side.

LM Start	17.26	Rating **	M	Issue No.	79 (cont)
LM End	17.26	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62680\_65554.jpg



View of landward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	17.52	Rating **	U	Issue No.	80	
LM End	17.52	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.215976 °	37.215976 °	
				-120.777615 °	-120.777615 °	
DWR ID	19580					
Comment Code						
Inspector Comment						
FS_ID:62682 DS_ID:19580 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/16/2020 Pipe status is Urgent. Pipe collapse visible at LS toe through LS pipe riser, and in sinkhole 1 foot up-slope of the riser. 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 but is scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 17.53), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 17.53), listed as a 24-inch CMP]. FS Date: 11/16/2020						

LM Start	17.52	Rating **	U	Issue No.	80 (cont)
LM End	17.52	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62682\_65547.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_62682\_65546.jpg



Flap gate visible on waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>17.52</b>	Rating **	U	Issue No.	<b>80 (cont)</b>
LM End	<b>17.52</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.215976 °	37.215976 °	
			-120.777615 °	-120.777615 °	
DWR ID	19580				

Photo 3 of 3 : UCIP\_SP\_2021\_62682\_65545.jpg



View of landward side--riser at levee toe.

LM Start	<b>18.18</b>	Rating **	U	Issue No.	<b>81</b>
LM End	<b>18.18</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.210998 °	37.210998 °	
			-120.768900 °	-120.768900 °	
DWR ID	19581				

#### Comment Code

#### Inspector Comment

FS\_ID:62683  
DS\_ID:19581  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 11/16/2020 Pipe status is Urgent. Considerable damage to pipe interior observed from LS toe. 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. (B. Singh - GEI, O. Magana - DWR UCIP)04/25/2014 Need to contact owner. Recommend investigating integrity of pipe wall through levee heavy corrosion visible from landward side. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 18.21), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 18.19), listed as a 24-inch CMP].  
FS Date: 11/16/2020

Photo 1 of 3 : UCIP\_SP\_2021\_62683\_65557.jpg



View of waterward side.

#### \* Location

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

#### \*\* Rating

A : Acceptable N : Not Inspected/Rated  
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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>18.18</b>	Rating **	U	Issue No.	<b>81 (cont)</b>
LM End	<b>18.18</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.210998 °	37.210998 °
				-120.768900 °	-120.768900 °
DWR ID	19581				

Photo 2 of 3 : UCIP\_SP\_2021\_62683\_65556.jpg



Flap gate visible on waterward side.

LM Start	<b>18.18</b>	Rating **	U	Issue No.	<b>81 (cont)</b>
LM End	<b>18.18</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62683\_65555.jpg



View of landward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	18.45	Rating **	U	Issue No.	82	
LM End	18.45	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.207538 °	37.207538 °	
				-120.767679 °	-120.767679 °	
DWR ID	19582					
Comment Code						
Inspector Comment						
FS_ID:62684 DS_ID:19582 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/16/2020 Pipe status is still Urgent. DWR DMP has found integrity issues, LOF between 5 and 6. Damage not observed in field inspection. 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. (B. Singh - GEI, O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.4 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 18.47), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 18.45), listed as a 24-inch CMP]. FS Date: 11/16/2020						

LM Start	<b>18.45</b>	Rating **	U	Issue No.	<b>82 (cont)</b>
LM End	<b>18.45</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62684\_65563.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_62684\_65562.jpg



View of waterward slope.

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

Page 110 of 122

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	18.79	Rating **	M	Issue No.	84 (cont)	
LM End	18.79	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.204966 °		37.204966 °
				-120.762511 °		-120.762511 °
DWR ID	19593					

Photo 2 of 3 : UCIP\_SP\_2021\_62749\_65623.jpg



View of waterward side.

LM Start	<b>18.79</b>	Rating **	M	Issue No.	<b>84 (cont)</b>
LM End	<b>18.79</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62749\_65626.jpg



Overview of landward side.

LM Start	18.79	Rating **	C	Issue No.	94
LM End	18.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.204913 °	37.204913 °
				-120.762412 °	-120.762412 °
DWR ID	DWR_NA0010_01_s_2018_94				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	19.17	Rating **	M	Issue No.	85	
LM End	19.17	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.202801 °	37.202801 °	
				-120.756209 °	-120.756209 °	
DWR ID	19594					
Comment Code						
Inspector Comment						
FS_ID:62685 DS_ID:19594 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/16/2020 Pipe status is still Non-Urgent. Sediment build-up observed at LS inlet; recommend sediment removal. 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 but is scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)04/25/2014 Non-functional crossing--pipe is buried on waterward side. Sediment buildup in pipe visible from landward side. Need to coordinate with owner to determine status. If crossing is no longer in use, owner will need to coordinate with DWR Inspector and CVFPB to properly abandon. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 19.18), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 19.17), listed as a 24-inch CMP]. FS Date: 11/16/2020						

LM Start	<b>19.17</b>	Rating **	M	Issue No.	<b>85 (cont)</b>
LM End	<b>19.17</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62685\_65631.jpg



View of waterward slope. CMP riser and pipe visible.

Photo 2 of 3 : UCIP\_SP\_2021\_62685\_65632.jpg



Inside view of CMP riser.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	19.53	Rating **	M	Issue No.	89 (cont)
LM End	19.53	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.199427 °	37.199427 °
				-120.760235 °	-120.760235 °
DWR ID	19596				

Photo 2 of 3 : UCIP\_SP\_2021\_62691\_65640.jpg



Flap gate visible on waterward side--potential erosion present on slope.

LM Start	<b>19.53</b>	Rating **	M	Issue No.	<b>89 (cont)</b>
LM End	<b>19.53</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62691\_65639.jpg



View of landward slope.

LM Start	19.87	Rating **	M	Issue No.	139
LM End	22.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.196696 °	37.170520 °
				-120.763557 °	-120.754437 °
DWR ID	DWR_NA0010_01_s_2021_139				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	20.18	Rating **	M	Issue No.	91
LM End	20.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.194669 °	37.194669 °
				-120.759736 °	-120.759736 °
DWR ID	19598				

**Comment Code**

**Inspector Comment**

FS\_ID:62693  
DS\_ID:19598  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 11/16/2020 Pipe status is still Non-Urgent. Limited access due to steep slopes. 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 but is scheduled for 2021. (B. Singh - GEI, O. Magana - DWR UCIP)04/25/2014 Recommend removing vegetation and sediment buildup from both waterward and landward concrete headwalls. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 20.19), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 20.18), listed as a 24-inch CMP].  
FS Date: 11/16/2020

LM Start	<b>20.18</b>	Rating **	M	Issue No.	<b>91 (cont)</b>
LM End	<b>20.18</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62693\_65648.jpg



Enter photo 1 description or comment here.

Photo 2 of 3 : UCIP\_SP\_2021\_62693\_65647.jpg



Flap gate visible on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	20.27	Rating **	M	Issue No.	123 (cont)
LM End	20.27	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.193542 °	37.193542 °
				-120.760300 °	-120.760300 °
DWR ID	19600				

Photo 2 of 3 : UCIP\_SP\_2021\_61905\_66309.jpg



Multiple crossings visible on waterward side--36 inch CMP is submersed in water.

LM Start	<b>20.27</b>	Rating **	M	Issue No.	<b>123 (cont)</b>
LM End	<b>20.27</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_61905\_66307.jpg



View of landward side.

LM Start	20.47	Rating **	M	Issue No.	140
LM End	22.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.191023 °	37.169622 °
				-120.762076 °	-120.753852 °
DWR ID	DWR_NA0010_01_s_2021_140				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>21.40</b>	Rating **	M	Issue No.	<b>125</b>
LM End	<b>21.40</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.179065 °	37.179065 °	
			-120.761567 °	-120.761567 °	
DWR ID	19603				

**Comment Code**

**Inspector Comment**

FS\_ID:61910  
DS\_ID:19603  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 04/25/2014 Crossing is non-functional--crossing buried on landward side. Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 21.41), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 21.40), listed as a 36-inch CMP].  
FS Date: 4/25/2014

LM Start	<b>21.40</b>	Rating **	M	Issue No.	<b>125 (cont)</b>
LM End	<b>21.40</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_61910\_66312.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_61910\_66313.jpg



Flap gate half way submersed located on waterward side.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>21.40</b>	Rating **	M	Issue No.	<b>125 (cont)</b>
LM End	<b>21.40</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.179065 °	37.179065 °	
			-120.761567 °	-120.761567 °	
DWR ID	19603				

Photo 3 of 3 : UCIP\_SP\_2021\_61910\_66311.jpg



View of landward side.

LM Start	<b>21.75</b>	Rating **	M	Issue No.	<b>126</b>
LM End	<b>21.75</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.176106 °	37.176106 °	
			-120.756768 °	-120.756768 °	
DWR ID	19604				

**Comment Code**

**Inspector Comment**

FS\_ID:61911  
DS\_ID:19604  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 04/25/2014 Non-functional crossing-landward side is buried. Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 21.78), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 21.76), listed as a 24-inch CMP].  
FS Date: 4/25/2014

Photo 1 of 3 : UCIP\_SP\_2021\_61911\_65697.jpg



View of waterward side.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>21.75</b>	Rating **	M	Issue No.	<b>126 (cont)</b>
LM End	<b>21.75</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.176106 °	37.176106 °
				-120.756768 °	-120.756768 °
DWR ID	19604				

Photo 2 of 3 : UCIP\_SP\_2021\_61911\_65695.jpg



Flap gate visible on waterward side.

LM Start	<b>21.75</b>	Rating **	M	Issue No.	<b>126 (cont)</b>
LM End	<b>21.75</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_61911\_65696.jpg



View of landward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	22.12	Rating **	M	Issue No.	127
LM End	22.12	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.171181 °	37.171181 °
				-120.754526 °	-120.754526 °
DWR ID	19605				
Comment Code					
Inspector Comment					
FS_ID:61912 DS_ID:19605 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Non-functional crossing--landward side is buried. Need to contact owner to determine status. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Wooden headboards on the landside (LS) end. Brass cap No. 31 bench mark (BM) on the headwall on the LS. [Additional Reference(s): DWR Levee Log, 2002 (HLM 22.13), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 22.13), listed as a 24-inch CMP]. FS Date: 4/25/2014					

LM Start	<b>22.12</b>	Rating **	M	Issue No.	<b>127 (cont)</b>
LM End	<b>22.12</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_61912\_65709.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_61912\_65707.jpg



Flap gate visible on waterward side.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>22.12</b>	Rating **	M	Issue No.	<b>127 (cont)</b>
LM End	<b>22.12</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.171181 °	37.171181 °
				-120.754526 °	-120.754526 °
DWR ID	19605				

Photo 3 of 3 : UCIP\_SP\_2021\_61912\_65708.jpg



View of landward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	0.01	Rating **	M	Issue No.	24
LM End	3.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296263 °	37.278144 °
				-120.880413 °	-120.840598 °
DWR ID	DWR_NA0010_02A_s _ 2021_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_119\_24\_20210517\_00065.jpg



View of the landside slope looking downstream. (Spring 2021)

LM Start	0.01	Rating **	M	Issue No.	25
LM End	3.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296263 °	37.278699 °
				-120.880413 °	-120.839126 °
DWR ID	DWR_NA0010_02A_s _ 2021_25				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_119\_25\_20210517\_00066.jpg



View of the waterside slope 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	<b>0.23</b>	Rating **	M	Issue No.	<b>3</b>
LM End	<b>0.23</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.293440 °	37.293440 °	
			-120.878978 °	-120.878978 °	
DWR ID	19652				

**Comment Code**

**Inspector Comment**

FS\_ID:61974  
DS\_ID:19652  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 139 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.24), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 0.24), listed as a 24-inch CMP].  
FS Date: 5/1/2014

LM Start	<b>0.23</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>0.23</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_61974\_66102.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_61974\_66101.jpg



Fence along waterward side. No headwall was found on waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	0.23	Rating **	M	Issue No.	3 (cont)
LM End	0.23	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.293440 °	37.293440 °
				-120.878978 °	-120.878978 °
DWR ID	19652				

Photo 3 of 3 : UCIP\_SP\_2021\_61974\_66100.jpg



View of landward side.

LM Start	0.66	Rating **	M	Issue No.	4
LM End	0.66	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.288087 °	37.288087 °
				-120.874919 °	-120.874919 °
DWR ID	19653				

**Comment Code**

**Inspector Comment**

FS\_ID:61976  
DS\_ID:19653  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 138 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.69), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 0.67), listed as a 24-inch CMP].  
FS Date: 5/1/2014

Photo 1 of 3 : UCIP\_SP\_2021\_61976\_66106.jpg



View of waterward side.

**\* Location**

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

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	<b>0.66</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>0.66</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.288087 °	37.288087 °	
			-120.874919 °	-120.874919 °	
DWR ID	19653				

Photo 2 of 3 : UCIP\_SP\_2021\_61976\_66105.jpg



View of landward side.

LM Start	<b>0.66</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>0.66</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_61976\_66104.jpg



Concrete headwall found on landward side.

LM Start	<b>0.68</b>	Rating **	U	Issue No.	<b>1</b>
LM End	<b>0.75</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.287517 °	37.287517 °	
			-120.874583 °	-120.874583 °	
DWR ID	NA0010U02ARM129.22				

Comment Code

Inspector Comment

Site ID: NA0010U02ARM129.22

08/20/2020: This site was discovered during the DWR Spring 2012 Levee Inspections. A 250-ft long levee section has completely eroded away and no longer provides adequate flood protection. Note: Unit 2A is in the process of being turned over to State Parks.

Photo 1 of 3 : SP\_2021\_NA0010\_119\_1\_20210308\_00001.jpg



8/20/2020: View of the upstream end of the erosion 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	<b>0.68</b>	Rating **	U	Issue No.	<b>1 (cont)</b>
LM End	<b>0.75</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.287517 °	37.287517 °	
			-120.874583 °	-120.874583 °	
DWR ID	NA0010U02ARM129.22				

Photo 2 of 3 : SP\_2021\_NA0010\_119\_1\_20210308\_00002.jpg



8/20/2020: View of the eroded levee section looking downstream.

LM Start	<b>0.68</b>	Rating **	U	Issue No.	<b>1 (cont)</b>
LM End	<b>0.75</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP\_2021\_NA0010\_119\_1\_20210308\_00003.jpg



8/20/2020: View of the eroded levee section looking upstream.

LM Start	0.75	Rating **	U	Issue No.	5
LM End	0.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.287517 °	37.286543 °
				-120.874583 °	-120.873935 °
DWR ID	DWR_NA0010_02A_s_2012_5				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
This section of the levee unit is in the process of being turned over to State Parks.					

Photo 1 of 1 : SP\_2021\_NA0010\_119\_5\_20210308\_00005.jpg

Looking downstream at erosion through the waterside slope and crown.  
(Fall 2020)

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	1.01	Rating **	M	Issue No.	6	
LM End	1.01	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.284889 °	37.284889 °	
				-120.871352 °	-120.871352 °	
DWR ID	19654					
Comment Code						
Inspector Comment						
FS_ID:61977 DS_ID:19654 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe recommend clearing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 137 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.03), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 1.02), listed as a 24-inch CMP]. FS Date: 5/1/2014						

LM Start	<b>1.01</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>1.01</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_61977\_66113.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_61977\_66112.jpg



Pipe visible on waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	<b>1.21</b>	Rating **	M	Issue No.	<b>7 (cont)</b>
LM End	<b>1.21</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.286118 °	37.286118 °	
			-120.868167 °	-120.868167 °	
DWR ID	19655				

Photo 2 of 3 : UCIP\_SP\_2021\_61979\_66117.jpg



Flap gate visible on waterward side.

LM Start	<b>1.21</b>	Rating **	M	Issue No.	<b>7 (cont)</b>
LM End	<b>1.21</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_61979\_66116.jpg



View of landward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	1.33	Rating **	M	Issue No.	8
LM End	1.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.286463 °	37.286463 °
				-120.865997 °	-120.865997 °
DWR ID	19656				

**Comment Code**

**Inspector Comment**

FS\_ID:62000  
DS\_ID:19656  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 14.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 135 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.36), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 1.34), listed as a 36-inch CMP].  
FS Date: 5/1/2014

LM Start	<b>1.33</b>	Rating **	M	Issue No.	<b>8 (cont)</b>
LM End	<b>1.33</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62000\_66120.jpg



View of landward side.

Photo 2 of 3 : UCIP\_SP\_2021\_62000\_66119.jpg



View of waterward side.

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	<b>1.61</b>	Rating **	M	Issue No.	<b>9 (cont)</b>
LM End	<b>1.61</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.288599 °	37.288599 °
				-120.862007 °	-120.862007 °
DWR ID	19657				

Photo 2 of 3 : UCIP\_SP\_2021\_61981\_66123.jpg



Dense vegetation along levee slope and toe.

LM Start	<b>1.61</b>	Rating **	M	Issue No.	<b>9 (cont)</b>
LM End	<b>1.61</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_61981\_66122.jpg



Enter photo 3 description or comment here.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	1.85	Rating **	M	Issue No.	10	
LM End	1.85	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.290836 °	37.290836 °	
				-120.858882 °	-120.858882 °	
DWR ID	19658					
Comment Code						
Inspector Comment						
FS_ID:61982 DS_ID:19658 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 135 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.88), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 1.86), listed as a 24-inch CMP]. FS Date: 5/1/2014						

LM Start	<b>1.85</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>1.85</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_61982\_66129.jpg



View of landward side.

Photo 2 of 3 : UCIP\_SP\_2021\_61982\_66128.jpg



Concrete headwall visible on landward side.

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	2.28	Rating **	M	Issue No.	11 (cont)	
LM End	2.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.291686 °	37.291686 °	
				-120.851475 °	-120.851475 °	
DWR ID	19659					

Photo 2 of 3 : UCIP\_SP\_2021\_61984\_66132.jpg



Concrete headwall visible on landward side.

LM Start	<b>2.28</b>	Rating **	M	Issue No.	<b>11 (cont)</b>
LM End	<b>2.28</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_61984\_66131.jpg



View of pipe through levee visible on waterward side.

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

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 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 - Spring 2021**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	2.30	Rating **	M	Issue No.	12	
LM End	2.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.291532 °	37.291532 °	
				-120.851203 °	-120.851203 °	
DWR ID	19660					
Comment Code						
Inspector Comment						
FS_ID:61985 DS_ID:19660 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 135 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.34), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 2.32), listed as a 24-inch CMP]. FS Date: 5/1/2014						

LM Start	<b>2.30</b>	Rating **	M	Issue No.	<b>12 (cont)</b>
LM End	<b>2.30</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_61985\_66137.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_61985\_66136.jpg



Flap gate visible on waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	<b>2.58</b>	Rating **	M	Issue No.	<b>13 (cont)</b>
LM End	<b>2.58</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.289487 °	37.289487 °
				-120.846941 °	-120.846941 °
DWR ID	19661				

Photo 2 of 3 : UCIP\_SP\_2021\_61986\_66141.jpg



Concrete headwall visible on landward side.

LM Start	<b>2.58</b>	Rating **	M	Issue No.	<b>13 (cont)</b>
LM End	<b>2.58</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_61986\_66140.jpg



Non-functional crossing concrete headwall and inlet buried on landward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	2.95	Rating **	M	Issue No.	14
LM End	2.95	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.284326 °	37.284326 °
				-120.845157 °	-120.845157 °
DWR ID	19662				
Comment Code					
Inspector Comment					
FS_ID:61987 DS_ID:19662 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 130 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.97), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 2.96), listed as a 24-inch CMP]. FS Date: 5/1/2014					

Photo 1 of 3 : UCIP\_SP\_2021\_61987\_66145.jpg



View of waterward side.

LM Start	<b>2.95</b>	Rating **	M	Issue No.	<b>14 (cont)</b>
LM End	<b>2.95</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_61987\_66144.jpg



Flap gate visible on waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	<b>3.28</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>3.28</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.279656 °	37.279656 °	
			-120.844795 °	-120.844795 °	
DWR ID	19665				

Photo 2 of 3 : UCIP\_SP\_2021\_61988\_66153.jpg



Flap gate visible on waterward side.

LM Start	<b>3.28</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>3.28</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_61988\_66152.jpg



View of landward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	3.61	Rating **	M	Issue No.	16	
LM End	3.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.278203 °	37.278203 °	
				-120.839884 °	-120.839884 °	
DWR ID	19666					
Comment Code						
Inspector Comment						
FS_ID:61989 DS_ID:19666 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 130 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.63), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 3.62), listed as a 24-inch CMP]. FS Date: 5/1/2014						

LM Start	<b>3.61</b>	Rating **	M	Issue No.	<b>16 (cont)</b>
LM End	<b>3.61</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_61989\_66155.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_61989\_66154.jpg



Flap gate visible on waterward side.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	3.61	Rating **	M	Issue No.	16 (cont)	
LM End	3.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.278203 °	37.278203 °	
				-120.839884 °	-120.839884 °	
DWR ID	19666					

Photo 3 of 3 : UCIP\_SP\_2021\_61989\_66156.jpg



View of landward side.

LM Start	3.69	Rating **	A/W	Issue No.	23
LM End	3.69	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.278949 °	37.278949 °
				-120.838776 °	-120.838776 °
DWR ID	DWR_NA0010_02A_f_2020_23				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_119\_23\_20210308\_00006.jpg



Rutting along the levee crown. (Fall 2020)

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

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

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



**Flood Control Project Maintenance  
Levee Inspections**

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	3.94	Rating **	M	Issue No.	17	
LM End	3.94	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.279704 °	37.279704 °	
				-120.834709 °	-120.834709 °	
DWR ID	19667					
Comment Code						
Inspector Comment						
FS_ID:61990 DS_ID:19667 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Signs of erosion or sink hole present on landward toe--Need to contact owner. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 130 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.96), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 3.95), listed as a 24-inch CMP]. FS Date: 5/1/2014						

LM Start	<b>3.94</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>3.94</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_61990\_66161.jpg



View of landward side.

Photo 2 of 3 : UCIP\_SP\_2021\_61990\_66160.jpg



View of waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	3.94	Rating **	M	Issue No.	17 (cont)
LM End	3.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.279704 °	37.279704 °
				-120.834709 °	-120.834709 °
DWR ID	19667				

Photo 3 of 3 : UCIP\_SP\_2021\_61990\_66159.jpg



Flap gate and concrete headwall visible through dense vegetation.

LM Start	4.15	Rating **	M	Issue No.	26
LM End	7.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.277624 °	37.231535 °
				-120.832450 °	-120.812106 °
DWR ID	DWR_NA0010_02A_s_2021_26				

**Comment Code**

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

**Inspector Comment**

Photo 1 of 1 : SP\_2021\_NA0010\_119\_26\_20210517\_00067.jpg



View of vegetation on the waterside slope. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	5.41	Rating **	M	Issue No.	18	
LM End	5.41	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.260069 °	37.260069 °	
				-120.831768 °	-120.831768 °	
DWR ID	19668					
Comment Code						
Inspector Comment						
FS_ID:61992 DS_ID:19668 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 125 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 5.45), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 5.43), listed as a 24-inch CMP]. FS Date: 5/1/2014						

LM Start	<b>5.41</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>5.41</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_61992\_66167.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_61992\_66166.jpg



Flap gate visible on waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	5.41	Rating **	M	Issue No.	18 (cont)
LM End	5.41	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.260069 °	37.260069 °
				-120.831768 °	-120.831768 °
DWR ID	19668				

Photo 3 of 3 : UCIP\_SP\_2021\_61992\_66165.jpg



View of waterward slope covered by vegetation.

LM Start	5.44	Rating **	M	Issue No.	27
LM End	7.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.259668 °	37.231492 °
				-120.831402 °	-120.812060 °
DWR ID	DWR_NA0010_02A_s_2021_27				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_119\_27\_20210517\_00068.jpg



View of vegetation growing on the landside slope. (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 - Spring 2021**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	6.03	Rating **	M	Issue No.	19
LM End	6.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.253527 °	37.253527 °
				-120.823991 °	-120.823991 °
DWR ID	19669				

**Comment Code**

**Inspector Comment**

FS\_ID:61993  
DS\_ID:19669  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 125 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 6.06), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 6.06), listed as a 24-inch CMP].  
FS Date: 5/1/2014

LM Start	<b>6.03</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>6.03</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_SP\_2021\_61993\_66171.jpg



View of landward side.

Photo 2 of 2 : UCIP\_SP\_2021\_61993\_66170.jpg



View of waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	6.47	Rating **	M	Issue No.	20
LM End	6.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.248210 °	37.248210 °
				-120.823120 °	-120.823120 °
DWR ID	19670				

**Comment Code**

**Inspector Comment**

FS\_ID:61994  
DS\_ID:19670  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 125 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 6.50), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 6.50), listed as a 24-inch CMP].  
FS Date: 5/1/2014

LM Start	<b>6.47</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>6.47</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_61994\_66173.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_61994\_66172.jpg



Crossing and flap gate visible on waterward side.

**\* Location**

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

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	<b>6.47</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>6.47</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.248210 °	37.248210 °
				-120.823120 °	-120.823120 °
DWR ID	19670				

Photo 3 of 3 : UCIP\_SP\_2021\_61994\_66174.jpg



Overview of levee crown and landward slope.

LM Start	6.97	Rating **	A/W	Issue No.	28
LM End	6.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.241125 °	37.241125 °
				-120.821747 °	-120.821747 °
DWR ID	DWR_NA0010_02A_f_2017_28				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_119\_28\_20210308\_00008.jpg



Looking northwest at landside 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	7.02	Rating **	M	Issue No.	21	
LM End	7.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.240333 °	37.240333 °	
				-120.821490 °	-120.821490 °	
DWR ID	19671					
Comment Code						
Inspector Comment						
FS_ID:61995 DS_ID:19671 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Pipe extension visible on landward side-- need to contact owner for additional information about extension/modification. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 125 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 7.06), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 7.05), listed as a 24-inch CMP]. FS Date: 5/1/2014						

LM Start	<b>7.02</b>	Rating **	M	Issue No.	<b>21 (cont)</b>
LM End	<b>7.02</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_61995\_66178.jpg



View of landward side.

Photo 2 of 3 : UCIP\_SP\_2021\_61995\_66177.jpg



Pipe extension visible on landward side attached to inlet at concrete headwall.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	05/07/2021 05/07/2021	Corey Fujitani

LM Start	<b>7.74</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>7.74</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.232650 °	37.232650 °
				-120.813363 °	-120.813363 °
DWR ID	19673				

Photo 2 of 3 : UCIP\_SP\_2021\_61997\_66182.jpg



View of landward side.

LM Start	<b>7.74</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>7.74</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_61997\_66181.jpg



View of waterward side--photo taken from levee toe looking towards alignment of crossing.

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

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	05/07/2021 05/07/2021	Corey Fujitani

LM Start	7.87	Rating **	M	Issue No.	17
LM End	9.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.231235 °	37.220367 °
				-120.811789 °	-120.784770 °
DWR ID	DWR_NA0010_02B_s_2021_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_120\_17\_20210517\_00041.jpg



View of vegetation along the landside slope. (Spring 2021)

LM Start	7.87	Rating **	M	Issue No.	18
LM End	12.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.231235 °	37.187663 °
				-120.811789 °	-120.766198 °
DWR ID	DWR_NA0010_02B_s_2021_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_120\_18\_20210517\_00042.jpg



Looking upstream along the waterside slope. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	05/07/2021 05/07/2021	Corey Fujitani

LM Start	8.13	Rating **	M	Issue No.	2	
LM End	8.13	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.228343 °	37.228343 °	
				-120.808789 °	-120.808789 °	
DWR ID	19674					
Comment Code						
Inspector Comment						
FS_ID:62001 DS_ID:19674 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope and landward headwall. Recommend removing vegetation along pipe alignment and toe to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend clearing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 120 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.17), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 8.16), listed as a 24-inch CMP]. FS Date: 5/14/2014						

LM Start	<b>8.13</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>8.13</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62001\_66184.jpg



View of landward side.

Photo 2 of 3 : UCIP\_SP\_2021\_62001\_66185.jpg



Overview of levee crown at crossing.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	05/07/2021 05/07/2021	Corey Fujitani

LM Start	<b>8.46</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>8.46</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.225241 °	37.225241 °	
			-120.804286 °	-120.804286 °	
DWR ID	19675				

Photo 2 of 3 : UCIP\_SP\_2021\_62003\_66193.jpg



Overview of levee crown at crossing.

LM Start	<b>8.46</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>8.46</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62003\_66194.jpg



View of waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	05/07/2021 05/07/2021	Corey Fujitani

LM Start	<b>8.83</b>	Rating **	M	Issue No.	<b>4</b>
LM End	<b>8.83</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.222271 °	37.222271 °	
			-120.798705 °	-120.798705 °	
DWR ID	19676				

**Comment Code**

**Inspector Comment**

FS\_ID:62004  
DS\_ID:19676  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Burrow activity present on waterward slope. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 120 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.88), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (recorded as HLM 9.86 should be HLM 8.86), listed as a 24-inch CMP].  
FS Date: 5/14/2014

LM Start	<b>8.83</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>8.83</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62004\_66200.jpg



View of landward side.

Photo 2 of 3 : UCIP\_SP\_2021\_62004\_66199.jpg



View of waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	05/07/2021 05/07/2021	Corey Fujitani

LM Start	<b>9.00</b>	Rating **	M	Issue No.	<b>5 (cont)</b>
LM End	<b>9.00</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.220888 °	37.220888 °	
			-120.796394 °	-120.796394 °	
DWR ID	19677				

Photo 2 of 3 : UCIP\_SP\_2021\_62005\_66207.jpg



View of flap gate visible from waterward side.

LM Start	<b>9.00</b>	Rating **	M	Issue No.	<b>5 (cont)</b>
LM End	<b>9.00</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62005\_66206.jpg



View of landward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	05/07/2021 05/07/2021	Corey Fujitani

LM Start	9.17	Rating **	M	Issue No.	6	
LM End	9.17	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.220520 °	37.220520 °	
				-120.793277 °	-120.793277 °	
DWR ID	19678					
Comment Code						
Inspector Comment						
FS_ID:62006 DS_ID:19678 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 120 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 9.21), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 9.20), listed as a 24-inch CMP]. FS Date: 5/14/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62006\_66211.jpg



View of landward side.

LM Start	<b>9.17</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>9.17</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62006\_66210.jpg



View of waterward side.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	05/07/2021 05/07/2021	Corey Fujitani

LM Start	<b>9.43</b>	Rating **	M	Issue No.	<b>7 (cont)</b>
LM End	<b>9.43</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.220227 °	37.220227 °
				-120.788634 °	-120.788634 °
DWR ID	19686				

Photo 2 of 3 : UCIP\_SP\_2021\_62008\_66216.jpg



View of waterward side.

LM Start	<b>9.43</b>	Rating **	M	Issue No.	<b>7 (cont)</b>
LM End	<b>9.43</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62008\_66215.jpg



Concrete headwall visible on landward side.

LM Start	9.43	Rating **	C	Issue No.	16
LM End	9.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.220229 °	37.220229 °
				-120.788589 °	-120.788589 °
DWR ID	DWR_NA0010_02B_f_2020_16				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	05/07/2021 05/07/2021	Corey Fujitani

LM Start	9.60	Rating **	M	Issue No.	15
LM End	9.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.220783 °	37.220783 °
				-120.785729 °	-120.785729 °
DWR ID	DWR_NA0010_02B_f_2020_15				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Broken tree limbs on the waterside slope.					

Photo 1 of 1 : SP\_2021\_NA0010\_120\_15\_20210308\_00003.jpg



Tree limb on the waterside slope. (Fall 2020)

LM Start	9.90	Rating **	M	Issue No.	20
LM End	9.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.216923 °	37.216923 °
				-120.784007 °	-120.784007 °
DWR ID	DWR_NA0010_02B_f_2019_20				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Dead tree limb hanging on landside toe.					

Photo 1 of 1 : SP\_2021\_NA0010\_120\_20\_20210308\_00005.jpg



View of broken tree limb hanging over landside slope and toe. (Fall 2019)

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

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

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	05/07/2021 05/07/2021	Corey Fujitani

LM Start	10.09	Rating **	M	Issue No.	8	
LM End	10.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.214229 °	37.214229 °	
				-120.784350 °	-120.784350 °	
DWR ID	19687					
Comment Code						
Inspector Comment						
FS_ID:62009 DS_ID:19687 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 115 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 10.13), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 10.12), listed as a 24-inch CMP]. FS Date: 5/14/2014						

LM Start	10.09	Rating **	M	Issue No.	8 (cont)
LM End	10.09	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62009\_66224.jpg



Overview of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_62009\_66226.jpg



View of waterward slope.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	05/07/2021 05/07/2021	Corey Fujitani

LM Start	<b>10.09</b>	Rating **	M	Issue No.	<b>8 (cont)</b>
LM End	<b>10.09</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.214229 °	37.214229 °
				-120.784350 °	-120.784350 °
DWR ID	19687				

Photo 3 of 3 : UCIP\_SP\_2021\_62009\_66222.jpg



View of waterward side.

LM Start	<b>10.78</b>	Rating **	M	Issue No.	<b>9</b>
LM End	<b>10.78</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.206352 °	37.206352 °
				-120.777634 °	-120.777634 °
DWR ID	19688				

#### Comment Code

#### Inspector Comment

FS\_ID:62010  
 DS\_ID:19688  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible on landward side--recommend clearing. (O. Magana - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 115 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 10.82), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 10.81), listed as a 24-inch CMP].  
 FS Date: 5/14/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62010\_66231.jpg



View of landward side.

#### \* Location

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

#### \*\* Rating

A : Acceptable N : Not Inspected/Rated  
 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	05/07/2021 05/07/2021	Corey Fujitani

LM Start	10.78	Rating **	M	Issue No.	9 (cont)
LM End	10.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.206352 °	37.206352 °
				-120.777634 °	-120.777634 °
DWR ID	19688				

Photo 2 of 3 : UCIP\_SP\_2021\_62010\_66232.jpg



View of waterward side.

LM Start	<b>10.78</b>	Rating **	M	Issue No.	<b>9 (cont)</b>
LM End	<b>10.78</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62010\_66234.jpg



View of pipe visible on waterward side.

LM Start	10.80	Rating **	M	Issue No.	19
LM End	11.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.206265 °	37.196609 °
				-120.777183 °	-120.766680 °
DWR ID	DWR_NA0010_02B_s_2021_19				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	05/07/2021 05/07/2021	Corey Fujitani

LM Start	10.94	Rating **	M	Issue No.	14
LM End	10.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.205711 °	37.205711 °
				-120.774741 °	-120.774741 °
DWR ID	DWR_NA0010_02B_f_2015_14				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from landside toe.					

Photo 1 of 1 : SP\_2021\_NA0010\_120\_14\_20210308\_00002.jpg



Prunings at landside toe. (Fall 2018)

LM Start	11.14	Rating **	M	Issue No.	10	
LM End	11.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.204640 °	37.204640 °	
				-120.771564 °	-120.771564 °	
DWR ID	19689					
Comment Code						
Inspector Comment						
FS_ID:62012 DS_ID:19689 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 115 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 11.18), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 11.17), listed as a 24-inch CMP]. FS Date: 5/14/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62012\_66236.jpg



View of landward slope.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	05/07/2021 05/07/2021	Corey Fujitani

LM Start	11.14	Rating **	M	Issue No.	10 (cont)
LM End	11.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.204640 °	37.204640 °
				-120.771564 °	-120.771564 °
DWR ID	19689				

Photo 2 of 3 : UCIP\_SP\_2021\_62012\_66235.jpg



Slide gate visible on landward side blocked by vegetation.

LM Start	11.14	Rating **	M	Issue No.	10 (cont)
LM End	11.14	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62012\_66238.jpg



View of waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	05/07/2021 05/07/2021	Corey Fujitani

LM Start	11.40	Rating **	M	Issue No.	11	
LM End	11.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.201792 °	37.201792 °	
				-120.768462 °	-120.768462 °	
DWR ID	19690					
Comment Code						
Inspector Comment						
FS_ID:62016 DS_ID:19690 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Screw gate on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 11.45), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 11.43), listed as a 24-inch CMP]. FS Date: 5/14/2014						

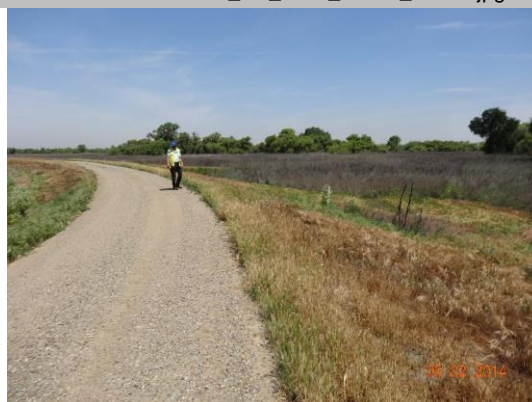
Photo 1 of 3 : UCIP\_SP\_2021\_62016\_66241.jpg



View of landward side.

LM Start	<b>11.40</b>	Rating **	M	Issue No.	<b>11 (cont)</b>
LM End	<b>11.40</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62016\_66240.jpg



View of waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	05/07/2021 05/07/2021	Corey Fujitani

LM Start	12.88	Rating **	U	Issue No.	21
LM End	13.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.183114 °	37.176860 °
				-120.767481 °	-120.762968 °
DWR ID	DWR_NA0010_02B_s_2021_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_120\_21\_20210517\_00044.jpg



View of vegetation growing on the waterside slope. (Spring 2021)

LM Start	13.18	Rating **	M	Issue No.	12	
LM End	13.18	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.179265 °	37.179265 °	
				-120.764870 °	-120.764870 °	
DWR ID	19663					
Comment Code						
Inspector Comment						
FS_ID:62018 DS_ID:19663 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe--recommend clearing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6.5 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002 (HLM 13.23), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (recorded as HLM 13.32 should be HLM 13.22), listed as a 24-inch CMP]. FS Date: 5/14/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62018\_66245.jpg



View of landward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	05/07/2021 05/07/2021	Corey Fujitani

LM Start	13.18	Rating **	M	Issue No.	12 (cont)
LM End	13.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.179265 °	37.179265 °
				-120.764870 °	-120.764870 °
DWR ID	19663				

Photo 2 of 3 : UCIP\_SP\_2021\_62018\_66244.jpg



Overview of landward slope.

LM Start	<b>13.18</b>	Rating **	M	Issue No.	<b>12 (cont)</b>
LM End	<b>13.18</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62018\_66243.jpg



View of waterward side.

LM Start	13.51	Rating **	M	Issue No.	24
LM End	13.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.175604 °	37.172488 °
				-120.761215 °	-120.761148 °
DWR ID	DWR_NA0010_02B_s_2021_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	05/13/2021 05/13/2021	Corey Fujitani

LM Start	0.06	Rating **	M	Issue No.	7
LM End	0.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.110908 °	37.106145 °
				-120.587784 °	-120.585716 °
DWR ID	DWR_NA0010_03_s_2021_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_121\_7\_20210517\_00021.jpg



View of the waterside slope looking upstream. (Spring 2021)

LM Start	0.19	Rating **	M	Issue No.	67
LM End	0.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.109013 °	37.109013 °
				-120.587799 °	-120.587799 °
DWR ID	DWR_NA0010_03_s_2015_67				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes are noted on the landside slope.					

Photo 1 of 1 : SP\_2021\_NA0010\_121\_67\_20210308\_00008.jpg



Looking southwest at the landside shoulder.

LM Start	0.37	Rating **	M	Issue No.	9
LM End	0.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.106799 °	37.106799 °
				-120.586388 °	-120.586388 °
DWR ID	DWR_NA0010_03_f_2019_9				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	05/13/2021 05/13/2021	Corey Fujitani

LM Start	0.41	Rating **	M	Issue No.	16
LM End	0.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.106310 °	37.106310 °
				-120.585859 °	-120.585859 °
DWR ID	DWR_NA0010_03_f_2018_16				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes are located on land and water side of gate.					

No Photos

LM Start	0.42	Rating **	M	Issue No.	1	
LM End	0.42	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.106233 °		37.106233 °
				-120.585797 °		-120.585797 °
DWR ID	19691					
Comment Code						
Inspector Comment						
FS_ID:62020						
DS_ID:19691						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/17/2014 Need to contact owner. Recommend removing tall grass on landward slope and clearing sediment build up inside pipe. (O. Magana - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.43), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 0.43), listed as a 24-inch CMP].						
FS Date: 4/17/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62020\_61941.jpg



Concrete structure and flap gate visible on waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	05/13/2021 05/13/2021	Corey Fujitani

LM Start	0.42	Rating **	M	Issue No.	1 (cont)	
LM End	0.42	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.106233 °		37.106233 °
				-120.585797 °		-120.585797 °
DWR ID	19691					

Photo 2 of 3 : UCIP\_SP\_2021\_62020\_61940.jpg



View of waterward side.

LM Start	<b>0.42</b>	Rating **	M	Issue No.	<b>1 (cont)</b>
LM End	<b>0.42</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62020\_61944.jpg



View of landward side.

LM Start	0.43	Rating **	M	Issue No.	6
LM End	0.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.106121 °	37.106121 °
				-120.585680 °	-120.585680 °
DWR ID	DWR_NA0010_03_f_2017_6				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_121\_6\_20210308\_00002.jpg



Looking east at the landside slope.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	05/13/2021 05/13/2021	Corey Fujitani

LM Start	0.57	Rating **	U	Issue No.	10
LM End	0.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.104343 °	37.104343 °
				-120.584348 °	-120.584348 °
DWR ID	DWR_NA0010_03_s_2021_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 : SP\_2021\_NA0010\_121\_10\_20210517\_00023.jpg



Several large rodent burrows observed at this location. (Spring 2021)

LM Start	0.58	Rating **	M	Issue No.	15
LM End	0.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.104260 °	37.103487 °
				-120.584274 °	-120.582547 °
DWR ID	DWR_NA0010_03_s_2021_15				
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                      N : Not Inspected/Rated  
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 - Spring 2021**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	05/13/2021 05/13/2021	Corey Fujitani

LM Start	0.76	Rating **	A/W	Issue No.	2	
LM End	0.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.102964 °		37.102964 °
				-120.581421 °		-120.581421 °
DWR ID	19692					
Comment Code						
Inspector Comment						
FS_ID:62022 DS_ID:19692 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.3 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.78), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 0.77), listed as a 24-inch CMP]. FS Date: 4/17/2014						

LM Start	<b>0.76</b>	Rating **	A/W	Issue No.	<b>2 (cont)</b>
LM End	<b>0.76</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62022\_66248.jpg



View of waterward slope.

Photo 2 of 3 : UCIP\_SP\_2021\_62022\_66249.jpg



Concrete structure located on waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	05/13/2021 05/13/2021	Corey Fujitani

LM Start	0.76	Rating **	A/W	Issue No.	2 (cont)	
LM End	0.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.102964 °	37.102964 °	
				-120.581421 °	-120.581421 °	
DWR ID	19692					

Photo 3 of 3 : UCIP\_SP\_2021\_62022\_66251.jpg



View of landward slope.

LM Start	0.86	Rating **	M	Issue No.	8
LM End	0.86	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.101821 °	37.101821 °
				-120.580358 °	-120.580358 °
DWR ID	DWR_NA0010_03_f_2020_8				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_121\_8\_20210308\_00004.jpg



Depression in the levee crown from rodent activity. (Fall 2020)

LM Start	1.03	Rating **	M	Issue No.	11
LM End	1.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.100026 °	37.094817 °
				-120.578369 °	-120.573969 °
DWR ID	DWR_NA0010_03_s_2021_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	05/13/2021 05/13/2021	Corey Fujitani

LM Start	<b>1.54</b>	Rating **	A/W	Issue No.	<b>65</b>
LM End	<b>1.54</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.094270 °	37.094270 °
				-120.573112 °	-120.573112 °
DWR ID	DWR_NA0010_03_s _ 2015_65				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>1.70</b>	Rating **	M	Issue No.	<b>12</b>
LM End	<b>1.70</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.092231 °	37.092231 °
				-120.572337 °	-120.572337 °
DWR ID	DWR_NA0010_03_f _ 2020_12				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	05/13/2021 05/13/2021	Corey Fujitani

LM Start	1.71	Rating **	M	Issue No.	3	
LM End	1.71	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.092079 °		37.092079 °
				-120.572316 °		-120.572316 °
DWR ID	19693					
Comment Code						
Inspector Comment						
FS_ID:62023						
DS_ID:19693						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/17/2014 Sediment buildup in pipe visible from landward side--recommend clearing. (O. Magana - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6.8 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.73), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 1.72), listed as a 24-inch CMP].						
FS Date: 4/17/2014						

LM Start	1.71	Rating **	M	Issue No.	3 (cont)
LM End	1.71	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62023\_66252.jpg



View of levee crown at crossing.

Photo 2 of 3 : UCIP\_SP\_2021\_62023\_66254.jpg



Concrete structure located on waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	05/13/2021 05/13/2021	Corey Fujitani

LM Start	1.71	Rating **	M	Issue No.	3 (cont)
LM End	1.71	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.092079 °	37.092079 °
				-120.572316 °	-120.572316 °
DWR ID	19693				

Photo 3 of 3 : UCIP\_SP\_2021\_62023\_66253.jpg



View of waterward side--channel.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	05/13/2021 05/13/2021	Corey Fujitani

LM Start	0.05	Rating **	M	Issue No.	8
LM End	0.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.112213 °	37.105084 °
				-120.589838 °	-120.587800 °
DWR ID	DWR_NA0010_04_s_2021_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_122\_8\_20210517\_00022.jpg



View of vegetation on the waterside slope looking upstream. (Spring 2021)

LM Start	0.07	Rating **	M	Issue No.	9
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.112055 °	37.108774 °
				-120.589978 °	-120.590728 °
DWR ID	DWR_NA0010_04_s_2021_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_122\_9\_20210517\_00023.jpg



View of the landside slope looking upstream. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	05/13/2021 05/13/2021	Corey Fujitani

LM Start	<b>0.24</b>	Rating **	M	Issue No.	<b>6</b>
LM End	<b>0.24</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.109933 °	37.109933 °	
			-120.590689 °	-120.590689 °	
DWR ID	19695				

**Comment Code**

**Inspector Comment**

FS\_ID:62029  
DS\_ID:19695  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 04/17/2014 Sediment and debris blocking concrete headwall located on waterward side. During inspection water was flowing from landward side to waterward side. Recommend removing sediment to confirm condition of flap gate and pipe. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002[Additional Resource(s): DWR Levee Log, 2002 (HLM 0.03), listed as four 6-foot by 5-foot concrete culverts] (HLM 0.24), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 0.27), listed as a 36-inch CMP].  
FS Date: 4/17/2014

LM Start	<b>0.24</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>0.24</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62029\_61982.jpg



View of dense vegetation near concrete headwall located on waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_62029\_61981.jpg



Sediment blocking flap gate located on waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	05/13/2021 05/13/2021	Corey Fujitani

LM Start	<b>0.24</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>0.24</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.109933 °	37.109933 °
				-120.590689 °	-120.590689 °
DWR ID	19695				

Photo 3 of 3 : UCIP\_SP\_2021\_62029\_61980.jpg



View of waterward side.

LM Start	0.87	Rating **	U	Issue No.	10
LM End	1.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.102921 °	37.097667 °
				-120.584430 °	-120.578135 °
DWR ID	DWR_NA0010_04_s_2021_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_122\_10\_20210517\_00021.jpg



View of the waterside slope looking downstream. (Spring 2021)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	0.08	Rating **	M	Issue No.	4	
LM End	0.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.278174 °		37.278174 °
				-120.823465 °		-120.823465 °
DWR ID	19756					
Comment Code						
Inspector Comment						
FS_ID:62422						
DS_ID:19756						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/09/2014 Debris blocking landward headwall--recommend clearing. (W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.6 feet below the crown. Concrete U-shaped headwall and flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.07), listed as a 24-inch corrugated metal pipe [CMP]. USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.07), listed as a 24-inch CMP]						
FS Date: 4/9/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62422\_60921.jpg



Pipe, flapgate, and concrete headwall on WS toe.

LM Start	<b>0.08</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>0.08</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62422\_60920.jpg



Pipe, flapgate, and concrete headwall on WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>0.08</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>0.08</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.278174 °	37.278174 °	
			-120.823465 °	-120.823465 °	
DWR ID	19756				

Photo 3 of 3 : UCIP\_SP\_2021\_62422\_60922.jpg



Pipe and concrete headwall on LS toe.

LM Start	<b>0.60</b>	Rating **	M	Issue No.	<b>7</b>
LM End	<b>0.60</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.273945 °	37.273945 °	
			-120.815835 °	-120.815835 °	
DWR ID	19757				

**Comment Code**

**Inspector Comment**

FS\_ID:62424  
 DS\_ID:19757  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 04/09/2014 Excess debris on landward headwall--recommend clearing. (W. Wylie - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.58), listed as a 30-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.59), listed as a 30-inch CMP]  
 FS Date: 4/9/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62424\_60926.jpg



Concrete headwall, pipe, and flapgate on WS toe.

**\* Location**

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

**\*\* Rating**

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

**+ Issue Type**

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>0.60</b>	Rating **	M	Issue No.	<b>7 (cont)</b>
LM End	<b>0.60</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.273945 °	37.273945 °
				-120.815835 °	-120.815835 °
DWR ID	19757				

Photo 2 of 3 : UCIP\_SP\_2021\_62424\_60925.jpg



Concrete headwall, pipe, and flapgate on WS toe.

LM Start	<b>0.60</b>	Rating **	M	Issue No.	<b>7 (cont)</b>
LM End	<b>0.60</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62424\_60927.jpg



Pipe and concrete headwall on LS toe. Note vegetation buildup.

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

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	0.65	Rating **	M	Issue No.	8
LM End	0.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.273398 °	37.273398 °
				-120.815082 °	-120.815082 °
DWR ID	19758				

**Comment Code**

**Inspector Comment**

FS\_ID:62519  
DS\_ID:19758  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 13.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. Cobble revetment around both ends. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.64), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.65), listed as a 36-inch CMP].  
FS Date: 4/9/2014

LM Start	<b>0.65</b>	Rating **	M	Issue No.	<b>8 (cont)</b>
LM End	<b>0.65</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62519\_60931.jpg



Concrete headwall visible off WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62519\_60929.jpg



Pipe, flapgate, and headwall at WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>0.65</b>	Rating **	M	Issue No.	<b>8 (cont)</b>
LM End	<b>0.65</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.273398 °	37.273398 °
				-120.815082 °	-120.815082 °
DWR ID	19758				

Photo 3 of 3 : UCIP\_SP\_2021\_62519\_60930.jpg



Concrete headwall at LS toe.

LM Start	<b>0.85</b>	Rating **	A/W	Issue No.	<b>10</b>
LM End	<b>0.85</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.271894 °	37.271894 °
				-120.812224 °	-120.812224 °
DWR ID	19759				

**Comment Code**

**Inspector Comment**

FS\_ID:62425  
 DS\_ID:19759  
 EP\_NO: N/A  
 Repair Type: No Action Needed  
 Crossing Status: Found  
 UCIP Comments:  
 FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.84), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.84), listed as a 24-inch CMP]  
 FS Date: 4/9/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62425\_60934.jpg



Concrete headwall visible 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	0.85	Rating **	A/W	Issue No.	10 (cont)
LM End	0.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.271894 °	37.271894 °
				-120.812224 °	-120.812224 °
DWR ID	19759				

Photo 2 of 3 : UCIP\_SP\_2021\_62425\_60933.jpg



Pipe, flapgate, and headwall at WS toe.

LM Start	<b>0.85</b>	Rating **	A/W	Issue No.	<b>10 (cont)</b>
LM End	<b>0.85</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62425\_60936.jpg



Pipe and concrete headwall at LS toe.

LM Start	1.17	Rating **	M	Issue No.	111
LM End	1.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.268866 °	37.267985 °
				-120.808460 °	-120.807542 °
DWR ID	DWR_NA0010_05_f_2018_111				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Downed tree limbs left along the levee toe.					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	1.45	Rating **	A/W	Issue No.	12	
LM End	1.45	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.265804 °	37.265804 °	
				-120.804955 °	-120.804955 °	
DWR ID	19760					
Comment Code						
Inspector Comment						
FS_ID:62426						
DS_ID:19760						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 21 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.44), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 1.44), listed as a 36-inch CMP]						
FS Date: 4/9/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62426\_60939.jpg



Flapgate on concrete headwall at WS toe.

LM Start	<b>1.45</b>	Rating **	A/W	Issue No.	<b>12 (cont)</b>
LM End	<b>1.45</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62426\_60938.jpg



Flapgate on concrete headwall at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>1.45</b>	Rating **	A/W	Issue No.	<b>12 (cont)</b>
LM End	<b>1.45</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.265804 °	37.265804 °
				-120.804955 °	-120.804955 °
DWR ID	19760				

Photo 3 of 3 : UCIP\_SP\_2021\_62426\_60937.jpg



Pipe and concrete headwall on LS toe.

LM Start	1.66	Rating **	M	Issue No.	80
LM End	1.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.263448 °	37.262225 °
				-120.802715 °	-120.802296 °
DWR ID	DWR_NA0010_05_f_2015_80				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes are located on levee crown and landside slope within this section.					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_80\_20210308\_00009.jpg



Looking at typical view of rodent holes within this section on landward slope.

LM Start	2.82	Rating **	M	Issue No.	102
LM End	2.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.256805 °	37.256805 °
				-120.785434 °	-120.785434 °
DWR ID	DWR_NA0010_05_s_2019_102				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	2.84	Rating **	M	Issue No.	13
LM End	2.84	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.256810 °	37.256810 °
				-120.785113 °	-120.785113 °
DWR ID	19809				
Comment Code					
Inspector Comment					
FS_ID:62427					
DS_ID:19809					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/09/2014 Log partially blocking inlet at LS toe. (W. Wylie - DWR UCIP)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end.					
[Additional Reference(s): DWR Levee Log, 2002 (HLM 2.83), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 2.85), listed as a 24-inch CMP]					
FS Date: 4/9/2014					

LM Start	<b>2.84</b>	Rating **	M	Issue No.	<b>13 (cont)</b>
LM End	<b>2.84</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62427\_60943.jpg



Concrete headwall at outlet on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62427\_60941.jpg



Headwall, pipe, and flapgate on WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>2.84</b>	Rating **	M	Issue No.	<b>13 (cont)</b>
LM End	<b>2.84</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.256810 °	37.256810 °
				-120.785113 °	-120.785113 °
DWR ID	19809				

Photo 3 of 3 : UCIP\_SP\_2021\_62427\_60942.jpg



Concrete headwall and metal gate hoist on LS toe.

LM Start	3.23	Rating **	M	Issue No.	127
LM End	3.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.256278 °	37.256278 °
				-120.778404 °	-120.778404 °
DWR ID	DWR_NA0010_05_f_2018_127				
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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	3.34	Rating **	M	Issue No.	14	
LM End	3.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.255258 °	37.255258 °	
				-120.776996 °	-120.776996 °	
DWR ID	19810					
Comment Code						
Inspector Comment						
FS_ID:62421						
DS_ID:19810						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/15/2014 Pipe corroded through at flapgate on WS toe. (W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.36), listed as a 24-inch corrugated metal pipe [CMP]. USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 3.33), listed as a 24-inch CMP]						
FS Date: 4/15/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62421\_60948.jpg



Concrete headwall at WS toe.

LM Start	<b>3.34</b>	Rating **	M	Issue No.	<b>14 (cont)</b>
LM End	<b>3.34</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62421\_60946.jpg



Flapgate and Concrete headwall at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	3.34	Rating **	M	Issue No.	14 (cont)
LM End	3.34	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.255258 °	37.255258 °
				-120.776996 °	-120.776996 °
DWR ID	19810				

Photo 3 of 3 : UCIP\_SP\_2021\_62421\_60951.jpg



Pipe corroded through just behind flapgate at WS toe.

LM Start	3.54	Rating **	M	Issue No.	122
LM End	3.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.255182 °	37.255182 °
				-120.773708 °	-120.773708 °

**Comment Code**

TR : Tree or limb

**Inspector Comment**

Tree limbs fallen on the landside toe should be removed.

No Photos

LM Start	3.55	Rating **	M	Issue No.	134
LM End	3.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.255202 °	37.255202 °
				-120.773655 °	-120.773655 °

**Comment Code**

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

**Inspector Comment**

Several rodent holes are located within this section.

Photo 1 of 1 : SP\_2021\_NA0010\_123\_134\_20210308\_00027.jpg



Looking at typical rodent holes within this section. (Spring 2018)

**\* Location**

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

**\*\* Rating**

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

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>3.68</b>	Rating **	M	Issue No.	<b>17</b>
LM End	<b>3.68</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.252308 °	37.252308 °	
			-120.768038 °	-120.768038 °	
DWR ID	19811				

**Comment Code**

**Inspector Comment**

FS\_ID:62430  
DS\_ID:19811  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 04/16/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.67), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 3.67), listed as a 24-inch CMP]  
FS Date: 4/16/2014

LM Start	<b>3.68</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>3.68</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62430\_61137.jpg



Pipe, headwall, and flapgate on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62430\_61138.jpg



Pipe, headwall, and flapgate on WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>3.68</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>3.68</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.252308 °	37.252308 °	
			-120.768038 °	-120.768038 °	
DWR ID	19811				

Photo 3 of 3 : UCIP\_SP\_2021\_62430\_61136.jpg



Pipe and headwall on LS toe.

LM Start	<b>4.02</b>	Rating **	M	Issue No.	<b>18</b>
LM End	<b>4.02</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.248432 °	37.248432 °	
			-120.764066 °	-120.764066 °	
DWR ID	19769				

**Comment Code**

**Inspector Comment**

FS\_ID:62431  
DS\_ID:19769  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 04/16/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end.  
[Additional Reference(s): DWR Levee Log, 2002 (HLM 4.01), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 4.02), listed as a 24-inch CMP]  
FS Date: 4/16/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62431\_61142.jpg



Pipe, headwall, and flapgate on WS toe.

**\* Location**

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

**\*\* Rating**

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

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>4.02</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>4.02</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.248432 °	37.248432 °	
			-120.764066 °	-120.764066 °	
DWR ID	19769				

Photo 2 of 3 : UCIP\_SP\_2021\_62431\_61143.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	<b>4.02</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>4.02</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62431\_61141.jpg



Pipe and headwall on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	4.27	Rating **	M	Issue No.	19
LM End	4.27	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.246008 °	37.246008 °
				-120.760706 °	-120.760706 °
DWR ID	19770				
Comment Code					
Inspector Comment					
FS_ID:62432					
DS_ID:19770					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/16/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.27), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 4.27), listed as a 24-inch CMP]					
FS Date: 4/16/2014					

LM Start	<b>4.27</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>4.27</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62432\_61146.jpg



Pipe, headwall, and flapgate on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62432\_61145.jpg



Pipe, headwall, and flapgate on WS toe.

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	4.46	Rating **	M	Issue No.	132
LM End	4.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.244183 °	37.244183 °
				-120.758121 °	-120.758121 °
DWR ID	DWR_NA0010_05_f_2018_132				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	4.55	Rating **	M	Issue No.	20
LM End	4.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.243668 °	37.243668 °
				-120.756812 °	-120.756812 °
DWR ID	19771				
Comment Code					
Inspector Comment					
FS_ID:62433 DS_ID:19771 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.53), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 4.54), listed as a 24-inch CMP] FS Date: 4/16/2014 8:16:00 AM					

Photo 1 of 3 : UCIP\_SP\_2021\_62433\_62081.jpg



Pipe, flapgate, and headwall on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>4.55</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>4.55</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.243668 °	37.243668 °	
			-120.756812 °	-120.756812 °	
DWR ID	19771				

Photo 2 of 3 : UCIP\_SP\_2021\_62433\_62083.jpg



Pipe, flapgate, and headwall on WS toe.

LM Start	<b>4.55</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>4.55</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62433\_62082.jpg



Pipe and headwall on LS toe.

LM Start	4.85	Rating **	M	Issue No.	100
LM End	4.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.241127 °	37.241127 °
				-120.752398 °	-120.752398 °
DWR ID	DWR_NA0010_05_s_2021_100				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several burrows and rodents observed at this location. Bait stations have been set up.					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_100\_20210517\_00317.jpg



Several rodent burrows noted at this location. (Spring 2021)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	4.89	Rating **	M	Issue No.	21
LM End	4.89	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.240978 °	37.240978 °
				-120.751613 °	-120.751613 °
DWR ID	19772				
Comment Code					
Inspector Comment					
FS_ID:62434 DS_ID:19772 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Heavy sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.89), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 4.89), listed as a 24-inch CMP] FS Date: 4/16/2014					

Photo 1 of 3 : UCIP\_SP\_2021\_62434\_62087.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	<b>4.89</b>	Rating **	M	Issue No.	<b>21 (cont)</b>
LM End	<b>4.89</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62434\_62088.jpg



Headwall, flapgate, and pipe on WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>4.89</b>	Rating **	M	Issue No.	<b>21 (cont)</b>
LM End	<b>4.89</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.240978 °	37.240978 °
				-120.751613 °	-120.751613 °
DWR ID	19772				

Photo 3 of 3 : UCIP\_SP\_2021\_62434\_62086.jpg



Headwall and pipe on LS toe.

LM Start	<b>5.15</b>	Rating **	M	Issue No.	<b>22</b>
LM End	<b>5.15</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.240607 °	37.240607 °
				-120.746916 °	-120.746916 °
DWR ID	19773				

**Comment Code**

**Inspector Comment**

FS\_ID:62435  
DS\_ID:19773  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 04/16/2014 Heavy sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 5.14), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 5.15), listed as a 24-inch CMP]  
FS Date: 4/16/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62435\_62091.jpg



Headwall, flapgate, and pipe on WS toe.

**\* Location**

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

**\*\* Rating**

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

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>5.15</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>5.15</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.240607 °	37.240607 °
				-120.746916 °	-120.746916 °
DWR ID	19773				

Photo 2 of 3 : UCIP\_SP\_2021\_62435\_62093.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	<b>5.15</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>5.15</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62435\_62092.jpg



Headwall and pipe on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	5.58	Rating **	A/W	Issue No.	23
LM End	5.58	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.238879 °	37.238879 °
				-120.739719 °	-120.739719 °
DWR ID	19774				
Comment Code					
Inspector Comment					
FS_ID:62436					
DS_ID:19774					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 5.58), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 5.58), listed as a 24-inch CMP]					
FS Date: 4/16/2014					

Photo 1 of 3 : UCIP\_SP\_2021\_62436\_62096.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	<b>5.58</b>	Rating **	A/W	Issue No.	<b>23 (cont)</b>
LM End	<b>5.58</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62436\_62095.jpg



Headwall, flapgate, and pipe on WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	5.58	Rating **	A/W	Issue No.	23 (cont)
LM End	5.58	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.238879 °	37.238879 °
				-120.739719 °	-120.739719 °
DWR ID	19774				

Photo 3 of 3 : UCIP\_SP\_2021\_62436\_62097.jpg



Headwall and pipe on LS toe with HDPE drain pipe being installed off LS toe.

LM Start	5.94	Rating **	U	Issue No.	138
LM End	5.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.236387 °	37.236387 °
				-120.734164 °	-120.734164 °
DWR ID	DWR_NA0010_05_f_2018_138				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several large rodent holes are located at this location.					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_138\_20210308\_00029.jpg



View of large rodent holes in landside slope. (Fall 2018)

LM Start	5.99	Rating **	M	Issue No.	116	
LM End	6.40	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.236236 °	37.231945 °	
				-120.733344 °	-120.728323 °	
DWR ID	DWR_NA0010_05_f_2017_116					
Comment Code						
A1 : Exterminate rodents and backfill and compact or grout burrows.						
Inspector Comment						
Rodent holes on both sides of the levee.						

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	6.35	Rating **	A/W	Issue No.	24
LM End	6.35	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.232589 °	37.232589 °
				-120.728822 °	-120.728822 °
DWR ID	19775				
Comment Code					
Inspector Comment					
FS_ID:62437 DS_ID:19775 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 6.35), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 6.35), listed as a 24-inch CMP] FS Date: 4/16/2014					

Photo 1 of 3 : UCIP\_SP\_2021\_62437\_62102.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	<b>6.35</b>	Rating **	A/W	Issue No.	<b>24 (cont)</b>
LM End	<b>6.35</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62437\_62101.jpg



Headwall, flapgate, and pipe on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>6.35</b>	Rating **	A/W	Issue No.	<b>24 (cont)</b>
LM End	<b>6.35</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.232589 °	37.232589 °	
			-120.728822 °	-120.728822 °	
DWR ID	19775				

Photo 3 of 3 : UCIP\_SP\_2021\_62437\_62100.jpg



Headwall and pipe on LS toe.

LM Start	6.40	Rating **	M	Issue No.	139
LM End	6.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.231900 °	37.231900 °
				-120.728345 °	-120.728345 °
DWR ID	DWR_NA0010_05_f_2018_139				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_139\_20210308\_00030.jpg



View of rodent holes on landside shoulder. (Fall 2018)

LM Start	6.45	Rating **	M	Issue No.	136
LM End	6.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.231316 °	37.231316 °
				-120.727875 °	-120.727875 °
DWR ID	DWR_NA0010_05_f_2019_136				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

No Photos

Erosion on landward slope caused by foot traffic. (Fall 2018)

Looking upstream at damaged landside slope. (Fall 2018)

Page 27 of 147

**Flood Control Project Maintenance  
Levee Inspections**

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	6.70	Rating **	M	Issue No.	115
LM End	6.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.228861 °	37.228861 °
				-120.724579 °	-120.724579 °
DWR ID	DWR_NA0010_05_f_2017_115				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are several squirrels active around the gate on both the land and water side.					

No Photos

LM Start	7.36	Rating **	M	Issue No.	25	
LM End	7.36	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.224560 °		37.224560 °
				-120.714057 °		-120.714057 °
DWR ID	19761					
Comment Code						
Inspector Comment						
FS_ID:62428 DS_ID:19761 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/22/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 7.36), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 7.36), listed as a 24-inch CMP] FS Date: 4/22/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62428\_62111.jpg



Headwall, flapgate, and pipe on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	7.36	Rating **	M	Issue No.	25 (cont)
LM End	7.36	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.224560 °	37.224560 °
				-120.714057 °	-120.714057 °
DWR ID	19761				

Photo 2 of 3 : UCIP\_SP\_2021\_62428\_62113.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	<b>7.36</b>	Rating **	M	Issue No.	<b>25 (cont)</b>
LM End	<b>7.36</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62428\_62112.jpg



Headwall and pipe on LS toe.

LM Start	7.59	Rating **	M	Issue No.	141
LM End	7.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.221303 °	37.221303 °
				-120.713707 °	-120.713707 °
DWR ID	DWR_NA0010_05_f_2018_141				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	7.68	Rating **	A/W	Issue No.	27	
LM End	7.68	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.217839 °		37.217839 °
				-120.711462 °		-120.711462 °
DWR ID	19844					
Comment Code						
Inspector Comment						
FS_ID:34254 DS_ID:19844 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/01/2018 USACE O&M manual has pipe listed under Unit 10 HLM 0.02, however, based on the current levee alignment pipe is located under Unit 5 CLM 7.68. Discrepancy in pipe O&M reference is based on reference between Historic Levee Alignment and Current Levee Alignment. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (recorded as Unit 10 HLM 0.02 located in Unit 5 CLM 7.68)]. FS Date: 4/22/2014						

No Photos

LM Start	8.09	Rating **	M	Issue No.	104
LM End	8.09	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			37.213580 °	37.213580 °
				-120.706550 °	-120.706550 °
DWR ID	DWR_NA0010_05_s_2017_104				
Comment Code					
Inspector Comment					
The gate has completely broken and should be replaced or removed.					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_104\_20210517\_00318.jpg



View of gate broken on the waterside shoulder. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	8.46	Rating **	M	Issue No.	28	
LM End	8.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.209606 °	37.209606 °	
				-120.702069 °	-120.702069 °	
DWR ID	19763					
Comment Code						
Inspector Comment						
FS_ID:62451						
DS_ID:19763						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/22/2014 Pipe filled with silt on LS toe and should be cleared. (W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.45), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 8.44), listed as a 24-inch CMP]						
FS Date: 4/22/2014						

LM Start	<b>8.46</b>	Rating **	M	Issue No.	<b>28 (cont)</b>
LM End	<b>8.46</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62451\_62182.jpg



Headwall, flapgate, and pipe on WS toe

Photo 2 of 3 : UCIP\_SP\_2021\_62451\_62183.jpg



Headwall, flapgate, and pipe on WS toe

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	8.46	Rating **	M	Issue No.	28 (cont)
LM End	8.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.209606 °	37.209606 °
				-120.702069 °	-120.702069 °
DWR ID	19763				

Photo 3 of 3 : UCIP\_SP\_2021\_62451\_62181.jpg



Headwall, slidegate, and pipe on LS toe.

LM Start	9.28	Rating **	A/W	Issue No.	29
LM End	9.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.202742 °	37.202742 °
				-120.690064 °	-120.690064 °
DWR ID	19766				

**Comment Code**

**Inspector Comment**

FS\_ID:62455  
 DS\_ID:19766  
 EP\_NO: N/A  
 Repair Type: No Action Needed  
 Crossing Status: Found  
 UCIP Comments:  
 FIELD\_STRUCT\_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 14.8 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 9.24), listed as a 36-inch CMP. USACE San Joaquin O&M Manual, Part 601 Unit 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 9.26), listed as a 36-inch CMP]  
 FS Date: 4/22/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62455\_62196.jpg



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

**\* Location**

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

**\*\* Rating**

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

**+ Issue Type**

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	9.28	Rating **	A/W	Issue No.	29 (cont)	
LM End	9.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.202742 °	37.202742 °	
				-120.690064 °	-120.690064 °	
DWR ID	19766					

Photo 2 of 3 : UCIP\_SP\_2021\_62455\_62198.jpg



Headwall and pipe at WS toe.

LM Start	<b>9.28</b>	Rating **	A/W	Issue No.	<b>29 (cont)</b>
LM End	<b>9.28</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62455\_62197.jpg



Headwall and pipe at LS toe.

LM Start	9.45	Rating **	M	Issue No.	101
LM End	9.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.201240 °	37.201240 °
				-120.687686 °	-120.687686 °
DWR ID	DWR_NA0010_05_s_2021_101				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_101\_20210517\_00319.jpg



Multiple rodent holes in the waterside slope. (Spring 2021)

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	10.06	Rating **	M	Issue No.	30	
LM End	10.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.194736 °	37.194736 °	
				-120.680116 °	-120.680116 °	
DWR ID	19767					
Comment Code						
Inspector Comment						
FS_ID:62456 DS_ID:19767 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/22/2014 Slidegate actuator appears bent and may not work properly (WS slope). (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 10.04), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 10.05), listed as a 24-inch CMP]. FS Date: 4/22/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62456\_62201.jpg



Slidegate in CMP riser on WS slope.

LM Start	<b>10.06</b>	Rating **	M	Issue No.	<b>30 (cont)</b>
LM End	<b>10.06</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62456\_62202.jpg



Concrete headwall and pipe on WS toe.

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





**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	11.41	Rating **	M	Issue No.	145
LM End	11.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.187404 °	37.187404 °
				-120.659005 °	-120.659005 °
DWR ID	DWR_NA0010_05_f_2018_145				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
A fallen tree trunk is located on the levee toe.					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_145\_20210308\_00034.jpg



Fallen tree on levee toe. (Fall 2018)

LM Start	11.44	Rating **	M	Issue No.	146
LM End	11.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.187021 °	37.187021 °
				-120.658564 °	-120.658564 °
DWR ID	DWR_NA0010_05_f_2018_146				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Fallen tree limbs are located on the levee toe.					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_146\_20210308\_00035.jpg



Tree limbs and trunk on levee toe. (Spring 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	11.49	Rating **	A/W	Issue No.	31	
LM End	11.49	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.186471 °	37.186471 °	
				-120.657915 °	-120.657915 °	
DWR ID	19768					
Comment Code						
Inspector Comment						
FS_ID:62457						
DS_ID:19768						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: [Deadman Drainage Structure] 1 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Slide gate in a 60-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. Stairs on the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2002 (HLM 11.45), listed as two 48-inch CMPs referenced as Deadman Drain. USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 11.48), listed as two 48-inch CMPs]						
FS Date: 4/22/2014						

LM Start	<b>11.49</b>	Rating **	A/W	Issue No.	<b>31 (cont)</b>
LM End	<b>11.49</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62457\_62219.jpg



Slidegate in CMP riser, concrete headwall and pipe visible on WS slope.

Photo 2 of 3 : UCIP\_SP\_2021\_62457\_62217.jpg



Stairs, concrete headwall, and pipe visible on LS slope.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>11.49</b>	Rating **	A/W	Issue No.	<b>31 (cont)</b>
LM End	<b>11.49</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.186471 °	37.186471 °	
			-120.657915 °	-120.657915 °	
DWR ID	19768				

Photo 3 of 3 : UCIP\_SP\_2021\_62457\_62218.jpg



Inside pipe at LS toe.

LM Start	<b>11.50</b>	Rating **	A/W	Issue No.	<b>32</b>
LM End	<b>11.50</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.186458 °	37.186458 °	
			-120.657903 °	-120.657903 °	
DWR ID	19734				

**Comment Code**

**Inspector Comment**

FS\_ID:62458  
 DS\_ID:19734  
 EP\_NO: N/A  
 Repair Type: No Action Needed  
 Crossing Status: Found  
 UCIP Comments:  
 FIELD\_STRUCT\_DESC: [Deadman Drainage Structure] 2 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Slide gate in a 60-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. Stairs on the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2002 (HLM 11.45), listed as two 48-inch CMPs referenced as Deadman Drain. USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 11.48), listed as two 48-inch CMPs].  
 FS Date: 4/22/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62458\_62216.jpg



Concrete headwall, pipe, and slidegate in CMP riser on WS of levee.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	11.50	Rating **	A/W	Issue No.	32 (cont)
LM End	11.50	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.186458 °	37.186458 °	
			-120.657903 °	-120.657903 °	
DWR ID	19734				

Photo 2 of 3 : UCIP\_SP\_2021\_62458\_62214.jpg



Stairs, concrete headwall and pipe on LS toe.

LM Start	11.50	Rating **	A/W	Issue No.	32 (cont)
LM End	11.50	Issue Type +	Ma	Location *	

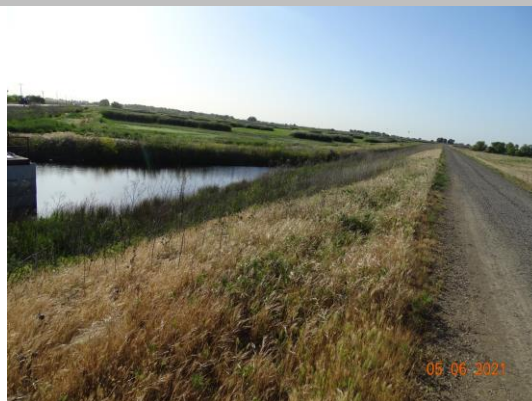
Photo 3 of 3 : UCIP\_SP\_2021\_62458\_62215.jpg



Inside pipe on WS toe.

LM Start	11.55	Rating **	M	Issue No.	108
LM End	13.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.185852 °	37.167627 °
				-120.657196 °	-120.629321 °
DWR ID	DWR_NA0010_05_s_2021_108				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_108\_20210517\_00321.jpg



View of vegetation on the landside slope. (Spring 2021)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	11.65	Rating **	A/W	Issue No.	33	
LM End	11.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.184830	°	37.184830
				-120.656016	°	-120.656016
DWR ID	19704					
Comment Code						
Inspector Comment						
FS_ID:62459						
DS_ID:19704						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 11.60), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 11.63), listed as a 24-inch CMP].						
FS Date: 4/22/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62459\_62221.jpg



Headwall, flapgate, and pipe at WS toe.

LM Start	<b>11.65</b>	Rating **	A/W	Issue No.	<b>33 (cont)</b>
LM End	<b>11.65</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62459\_62223.jpg



Headwall, flapgate, and pipe at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>11.65</b>	Rating **	A/W	Issue No.	<b>33 (cont)</b>
LM End	<b>11.65</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.184830 °	37.184830 °	
			-120.656016 °	-120.656016 °	
DWR ID	19704				

Photo 3 of 3 : UCIP\_SP\_2021\_62459\_62222.jpg



Concrete headwall and pipe at LS toe.

LM Start	<b>12.01</b>	Rating **	A/W	Issue No.	<b>34</b>
LM End	<b>12.01</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.180291 °	37.180291 °	
			-120.653931 °	-120.653931 °	
DWR ID	19705				

#### Comment Code

#### Inspector Comment

FS\_ID:62460  
DS\_ID:19705  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments:  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the waterside (WS) end. Flashboard attachment on the LS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 11.98), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 11.99), listed as a 24-inch CMP]  
FS Date: 4/22/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62460\_62225.jpg



Headwall, flapgate, and pipe on WS toe.

#### \* Location

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

#### \*\* Rating

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

#### + Issue Type

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>12.01</b>	Rating **	A/W	Issue No.	<b>34 (cont)</b>
LM End	<b>12.01</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.180291 °	37.180291 °
				-120.653931 °	-120.653931 °
DWR ID	19705				

Photo 2 of 3 : UCIP\_SP\_2021\_62460\_62227.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	<b>12.01</b>	Rating **	A/W	Issue No.	<b>34 (cont)</b>
LM End	<b>12.01</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62460\_62226.jpg



Headwall and pipe on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	12.40	Rating **	A/W	Issue No.	35	
LM End	12.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.175958 °	37.175958 °	
				-120.649798 °	-120.649798 °	
DWR ID	19706					
Comment Code						
Inspector Comment						
FS_ID:62461						
DS_ID:19706						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the WS end. Flashboard attachment on the LS end. Pipe crosses levee at 45 degrees to crown alignment. [Additional Reference(s): DWR Levee Log, 2002 (HLM 12.38), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 12.38), listed as a 24-inch CMP]						
FS Date: 4/22/2014						

LM Start	<b>12.40</b>	Rating **	A/W	Issue No.	<b>35 (cont)</b>
LM End	<b>12.40</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62461\_62230.jpg



Headwall, flapgate, and pipe on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62461\_62229.jpg



Headwall, flapgate, and pipe on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>12.40</b>	Rating **	A/W	Issue No.	<b>35 (cont)</b>
LM End	<b>12.40</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.175958 °	37.175958 °
				-120.649798 °	-120.649798 °
DWR ID	19706				

Photo 3 of 3 : UCIP\_SP\_2021\_62461\_62231.jpg



Headwall and pipe on LS toe.

LM Start	12.88	Rating **	M	Issue No.	158
LM End	12.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.175807 °	37.175807 °
				-120.641139 °	-120.641139 °
DWR ID	DWR_NA0010_05_f_2019_158				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree limb on the landside slope should be removed.					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_158\_20210308\_00042.jpg



View of downed tree limb on the landside slope. (Fall 2019)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	12.89	Rating **	M	Issue No.	36
LM End	12.89	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.175816 °	37.175816 °
				-120.640865 °	-120.640865 °
DWR ID	19707				

**Comment Code**

**Inspector Comment**

FS\_ID:62462  
DS\_ID:19707  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 04/22/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.2 feet below the crown. Concrete headwall on the landside (LS) end with flashboards. Concrete saddle and apron on the waterside (WS) end with a flap gate. Metal screen at LS toe inlet. [Additional Reference(s): DWR Levee Log, 2002 (HLM 12.87), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 12.87), listed as a 24-inch CMP]  
FS Date: 4/22/2014

LM Start	<b>12.89</b>	Rating **	M	Issue No.	<b>36 (cont)</b>
LM End	<b>12.89</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62462\_62240.jpg



Headwall, flapgate, and pipe on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62462\_62241.jpg



Headwall, flapgate, and pipe on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	12.89	Rating **	M	Issue No.	36 (cont)	
LM End	12.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.175816 °	37.175816 °	
				-120.640865 °	-120.640865 °	
DWR ID	19707					

Photo 3 of 3 : UCIP\_SP\_2021\_62462\_62239.jpg



Headwall and pipe on LS toe.

LM Start	13.01	Rating **	M	Issue No.	2
LM End	13.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.175576 °	37.175576 °
				-120.638755 °	-120.638755 °
DWR ID	DWR_NA0010_05_s_2016_2				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There are several downed trees on landside toe.					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_2\_20210308\_00004.jpg



Looking west at down tree at landward toe. (Fall 2020)

LM Start	13.05	Rating **	M	Issue No.	150
LM End	13.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.175314 °	37.175314 °
				-120.638034 °	-120.638034 °
DWR ID	DWR_NA0010_05_f_2018_150				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There are tree trimmings on the levee slope and toe.					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_150\_20210308\_00038.jpg



Tree trimmings on landside slope and toe. (Fall 2018)

**\* Location**

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

**\*\* Rating**

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

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	13.15	Rating **	M	Issue No.	152
LM End	13.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.174444 °	37.174444 °
				-120.636589 °	-120.636589 °
DWR ID	DWR_NA0010_05_f_2018_152				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There is a tree trunk on landside toe.					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_152\_20210308\_00039.jpg



Tree trunk on landside toe. (Fall 2018)

LM Start	13.27	Rating **	M	Issue No.	181
LM End	13.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.173096 °	37.173096 °
				-120.635130 °	-120.635130 °
DWR ID	DWR_NA0010_05_s_2019_181				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	13.37	Rating **	U	Issue No.	112
LM End	13.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.172033 °	37.172033 °
				-120.634005 °	-120.634005 °
DWR ID	DWR_NA0010_05_s_2021_112				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_112\_20210517\_00323.jpg



View of tree limbs on the landside toe and slope. (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 - Spring 2021**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	13.42	Rating **	M	Issue No.	37
LM End	13.42	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.171523 °	37.171523 °
				-120.633442 °	-120.633442 °
DWR ID	19708				

**Comment Code**

**Inspector Comment**

FS\_ID:62463  
DS\_ID:19708  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 04/22/2014 Some erosion around headwall on the WS toe and there are animal burrows on both slopes. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Flashboard attachment in concrete U-shaped headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 13.40), listed as a 48-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 13.40), listed as a 48-inch CMP].  
FS Date: 4/22/2014

LM Start	<b>13.42</b>	Rating **	M	Issue No.	<b>37 (cont)</b>
LM End	<b>13.42</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62463\_62244.jpg



Headwall and pipe on LS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62463\_62243.jpg



Headwall, flapgate, and pipe on WS toe.

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

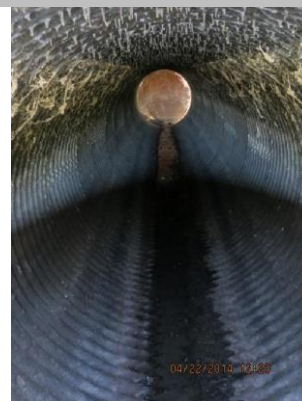
## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>13.42</b>	Rating **	M	Issue No.	<b>37 (cont)</b>
LM End	<b>13.42</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.171523 °	37.171523 °
				-120.633442 °	-120.633442 °
DWR ID	19708				

Photo 3 of 3 : UCIP\_SP\_2021\_62463\_62242.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	13.44	Rating **	M	Issue No.	209
LM End	13.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.171249 °	37.171249 °
				-120.633157 °	-120.633157 °
DWR ID	DWR_NA0010_05_s_2020_209				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Dead tree should be removed before it can damage the levee.					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_209\_20210308\_00049.jpg



Dead tree falling over on the landside toe. (Spring 2020)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	13.72	Rating **	M	Issue No.	38
LM End	13.72	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.168202 °	37.168202 °
				-120.629886 °	-120.629886 °
DWR ID	19709				
Comment Code					
Inspector Comment					
FS_ID:62520					
DS_ID:19709					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/22/2014 Pipe not visible and may need to have silt removed from outlet on WS toe. (W. Wylie - DWR UCIP)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Slide gate on concrete headwall at the landside (LS) toe. Concrete saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 13.70), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (recorded as HLM 14.72 should be 13.72), listed as a 24-inch CMP]					
FS Date: 4/22/2014					

LM Start	13.72	Rating **	M	Issue No.	38 (cont)
LM End	13.72	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_SP\_2021\_62520\_62624.jpg



Slide gate at concrete headwall on LS toe.

Photo 2 of 2 : UCIP\_SP\_2021\_62520\_62623.jpg



Walkway to gatevalve on LS shoulder.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	13.85	Rating **	A/W	Issue No.	39
LM End	13.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.166760 °	37.166760 °
				-120.628304 °	-120.628304 °
DWR ID	19710				
Comment Code					
Inspector Comment					
FS_ID:62438 DS_ID:19710 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 13.84), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 13.83), listed as a 24-inch CMP] FS Date: 4/23/2014 4:17:00 PM					

Photo 1 of 3 : UCIP\_SP\_2021\_62438\_62450.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	<b>13.85</b>	Rating **	A/W	Issue No.	<b>39 (cont)</b>
LM End	<b>13.85</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62438\_62448.jpg



Headwall, flapgate, and pipe on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	13.85	Rating **	A/W	Issue No.	39 (cont)
LM End	13.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.166760 °	37.166760 °
				-120.628304 °	-120.628304 °
DWR ID	19710				

Photo 3 of 3 : UCIP\_SP\_2021\_62438\_62449.jpg



Concrete wier intake structure and pipe at LS toe.

LM Start	14.42	Rating **	M	Issue No.	119
LM End	14.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.162949 °	37.162540 °
				-120.619138 °	-120.618091 °
DWR ID	DWR_NA0010_05_s_2021_119				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Slope erosion on the waterside slope. Possibly caused by livestock.					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_119\_20210517\_00325.jpg



Looking upstream along the waterside slope at erosion spots. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	14.46	Rating **	A/W	Issue No.	40	
LM End	14.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.162722	°	37.162722
				-120.618571	°	-120.618571
DWR ID	19711					
Comment Code						
Inspector Comment						
FS_ID:62439						
DS_ID:19711						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Concrete weir inlet structure on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2002 (HLM 14.44), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 14.44), listed as a 24-inch CMP]						
FS Date: 4/23/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62439\_62446.jpg



Headwall, pipe, and flapgate on WS toe.

LM Start	<b>14.46</b>	Rating **	A/W	Issue No.	<b>40 (cont)</b>
LM End	<b>14.46</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62439\_62447.jpg



Headwall, pipe, and flapgate on WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>14.46</b>	Rating **	A/W	Issue No.	<b>40 (cont)</b>
LM End	<b>14.46</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.162722 °	37.162722 °	
			-120.618571 °	-120.618571 °	
DWR ID	19711				

Photo 3 of 3 : UCIP\_SP\_2021\_62439\_62445.jpg



Concrete weir inlet at LS toe.

LM Start	<b>15.11</b>	Rating **	M	Issue No.	<b>41</b>
LM End	<b>15.11</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.156805 °	37.156805 °	
			-120.609513 °	-120.609513 °	
DWR ID	19712				

**Comment Code**

**Inspector Comment**

FS\_ID:62440  
DS\_ID:19712  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 04/23/2014 Minor erosion at headwall on WS toe.  
(W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 11.9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 15.08), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 15.09), listed as a 36-inch CMP]  
FS Date: 4/23/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62440\_62454.jpg



Headwall and inlet on LS toe.

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	15.31	Rating **	M	Issue No.	3
LM End	15.32	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.154837 °	37.154837 °
				-120.606737 °	-120.606737 °
DWR ID	NA0010U05RM13.09				
Comment Code					
Inspector Comment					
Site ID: NA0010U05RM13.09 08/19/2020: This site was discovered during the DWR Spring 2020 Levee Inspections. There is a 20-ft long and an 8-ft long erosion pocket, with scarp heights of up to 3 ft. The erosion has cut into the levee prism. There are signs of rodent and cattle activity.					

Photo 1 of 2 : SP\_2021\_NA0010\_123\_3\_20210308\_00005.jpg



8/19/2020: View of the erosion pocket looking upstream. The erosion has cut into the levee prism.

LM Start	<b>15.31</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>15.32</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2021\_NA0010\_123\_3\_20210308\_00006.jpg



8/19/2020: Another view of the erosion pocket, 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 - Spring 2021**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	15.76	Rating **	M	Issue No.	42
LM End	15.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.150012 °	37.150012 °
				-120.601330 °	-120.601330 °
DWR ID	19713				
Comment Code					
Inspector Comment					
FS_ID:62441 DS_ID:19713 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 15.74), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 15.74), listed as a 24-inch CMP] FS Date: 4/23/2014					

LM Start	15.76	Rating **	M	Issue No.	42 (cont)
LM End	15.76	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62441\_62459.jpg



Headwall, pipe, and flapgate on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62441\_62456.jpg



Headwall, pipe, and flapgate on WS toe.

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>15.81</b>	Rating **	M	Issue No.	<b>43 (cont)</b>
LM End	<b>15.81</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.149381 °	37.149381 °
				-120.600761 °	-120.600761 °
DWR ID	19715				

Photo 2 of 3 : UCIP\_SP\_2021\_62443\_62467.jpg



Headwall, pipe, and flapgate on WS toe.

LM Start	<b>15.81</b>	Rating **	M	Issue No.	<b>43 (cont)</b>
LM End	<b>15.81</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62443\_62466.jpg



Headwall and pipe visible at LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	16.09	Rating **	M	Issue No.	1
LM End	16.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.145965 °	37.145965 °
				-120.597597 °	-120.597597 °
DWR ID	NA0010U05RM13.85				

**Comment Code**

**Inspector Comment**

Site ID: NA0010U05RM13.85

08/19/2020: Due to ongoing construction both up and downstream, this site could not be accessed and only be viewed from the opposite bank across the bypass. Unable to determine if the conditions changed since the previous inspection.

09/10/2019: The erosion has become worse during the past 2 flood seasons. The erosion length has increased to approximately 200 ft from 55 ft. Signs of animal activity were observed.

09/20/2017: The erosion was discovered during spring levee inspection. The site is covered by dense vegetation and the measurements of the erosion are estimated.

LM Start	<b>16.09</b>	Rating **	M	Issue No.	<b>1 (cont)</b>
LM End	<b>16.13</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : SP\_2021\_NA0010\_123\_1\_20210308\_00001.jpg



8/19/2020: View of the erosion from across the bypass.

Photo 2 of 3 : SP\_2021\_NA0010\_123\_1\_20210308\_00002.jpg



8/19/2020: Another view of the erosion from across the bypass.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>16.09</b>	Rating **	M	Issue No.	<b>1 (cont)</b>
LM End	<b>16.13</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.145965 °	37.145965 °
				-120.597597 °	-120.597597 °
DWR ID	NA0010U05RM13.85				

Photo 3 of 3 : SP\_2021\_NA0010\_123\_1\_20210308\_00003.jpg



9/10/2019: Looking at the erosion from the levee toe. Note the dense vegetation.

LM Start	16.62	Rating **	C	Issue No.	159
LM End	16.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.139625 °	37.139625 °
				-120.592923 °	-120.592923 °
DWR ID	DWR_NA0010_05_f_2019_159				
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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	16.68	Rating **	M	Issue No.	44
LM End	16.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.138760 °	37.138760 °
				-120.592393 °	-120.592393 °
DWR ID	19716				
Comment Code					
Inspector Comment					
FS_ID:62444 DS_ID:19716 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Pipe heavily silted on LS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 16.66), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 16.67), listed as a 24-inch CMP] FS Date: 4/23/2014					

Photo 1 of 3 : UCIP\_SP\_2021\_62444\_62469.jpg



Headwall, flapgate, and pipe visible on WS toe.

LM Start	<b>16.68</b>	Rating **	M	Issue No.	<b>44 (cont)</b>
LM End	<b>16.68</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62444\_62471.jpg



Headwall, flapgate, and pipe visible on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>16.68</b>	Rating **	M	Issue No.	<b>44 (cont)</b>
LM End	<b>16.68</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.138760 °	37.138760 °	
			-120.592393 °	-120.592393 °	
DWR ID	19716				

Photo 3 of 3 : UCIP\_SP\_2021\_62444\_62470.jpg



Concrete headwall and pipe visible on LS toe.

LM Start	<b>17.22</b>	Rating **	M	Issue No.	<b>45</b>
LM End	<b>17.22</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.132211 °	37.132211 °	
			-120.587106 °	-120.587106 °	
DWR ID	19717				

#### Comment Code

#### Inspector Comment

FS\_ID:62445  
 DS\_ID:19717  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 04/23/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 17.21), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 17.20), listed as a 24-inch CMP]  
 FS Date: 4/23/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62445\_62481.jpg



Headwall, flapgate, and pipe visible on WS toe.

#### \* Location

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

#### \*\* Rating

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

#### + Issue Type

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	17.22	Rating **	M	Issue No.	45 (cont)
LM End	17.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.132211 °	37.132211 °
				-120.587106 °	-120.587106 °
DWR ID	19717				

Photo 2 of 3 : UCIP\_SP\_2021\_62445\_62483.jpg



Headwall, flapgate, and pipe visible on WS toe.

LM Start	17.22	Rating **	M	Issue No.	45 (cont)
LM End	17.22	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62445\_62482.jpg



Headwall and pipe visible on LS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	17.54	Rating **	M	Issue No.	46
LM End	17.54	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.127843 °	37.127843 °
				-120.585245 °	-120.585245 °
DWR ID	19743				
Comment Code					
Inspector Comment					
FS_ID:62446 DS_ID:19743 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 17.52), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 17.52), listed as a 24-inch CMP] FS Date: 4/23/2014					

LM Start	17.54	Rating **	M	Issue No.	46 (cont)
LM End	17.54	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62446\_62485.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62446\_62486.jpg



Pipe and headwall visible on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	17.54	Rating **	M	Issue No.	46 (cont)
LM End	17.54	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.127843 °	37.127843 °
				-120.585245 °	-120.585245 °
DWR ID	19743				

Photo 3 of 3 : UCIP\_SP\_2021\_62446\_62488.jpg



Inside pipe on LS toe.

LM Start	17.57	Rating **	M	Issue No.	137
LM End	18.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.127482 °	37.117833 °
				-120.585093 °	-120.579932 °
DWR ID	DWR_NA0010_05_s_2021_137				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	17.57	Rating **	M	Issue No.	120
LM End	23.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.127482 °	37.073144 °
				-120.585093 °	-120.516822 °
DWR ID	DWR_NA0010_05_s_2021_120				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	18.09	Rating **	M	Issue No.	47
LM End	18.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.120309 °	37.120309 °
				-120.582041 °	-120.582041 °
DWR ID	19745				
Comment Code					
Inspector Comment					
FS_ID:62465 DS_ID:19745 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Animal burrows in levee on both slopes. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 18.07), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 18.07), listed as a 24-inch CMP] FS Date: 4/23/2014					

Photo 1 of 3 : UCIP\_SP\_2021\_62465\_62494.jpg



Headwall, pipe, and flapgate on WS toe.

LM Start	<b>18.09</b>	Rating **	M	Issue No.	<b>47 (cont)</b>
LM End	<b>18.09</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62465\_62495.jpg



Headwall, pipe, and flapgate on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	18.09	Rating **	M	Issue No.	47 (cont)	
LM End	18.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.120309 °		37.120309 °
				-120.582041 °		-120.582041 °
DWR ID	19745					

Photo 3 of 3 : UCIP\_SP\_2021\_62465\_62493.jpg



Headwall and pipe visible on LS toe.

LM Start	18.50	Rating **	U	Issue No.	114
LM End	18.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.115960 °	37.115960 °
				-120.577170 °	-120.577170 °
DWR ID	DWR_NA0010_05_f_2020_114				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Burrow appears to connect to hole in landside shoulder.					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_114\_20210308\_00015.jpg



View of rodent burrow in the waterside shoulder. (Fall 2020)

LM Start	18.50	Rating **	U	Issue No.	118
LM End	18.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.115960 °	37.115960 °
				-120.577170 °	-120.577170 °
DWR ID	DWR_NA0010_05_f_2020_118				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Burrow appears to connect to hole in waterside shoulder.					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_118\_20210308\_00017.jpg



Large rodent hole in the landside shoulder. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	18.62	Rating **	U	Issue No.	126
LM End	18.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.115481 °	37.115481 °
				-120.575126 °	-120.575126 °
DWR ID	DWR_NA0010_05_f_2020_126				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_126\_20210308\_00022.jpg



Several large rodent holes observed at this location. (Fall 2020)

LM Start	18.70	Rating **	M	Issue No.	48	
LM End	18.70	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.115472 °	37.115472 °	
				-120.573628 °	-120.573628 °	
DWR ID	19746					
Comment Code						
Inspector Comment						
FS_ID:62466 DS_ID:19746 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 18.68), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 18.68), listed as a 24-inch CMP] FS Date: 4/23/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62466\_62499.jpg



Headwall, pipe and flapgate visible on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>18.70</b>	Rating **	M	Issue No.	<b>48 (cont)</b>
LM End	<b>18.70</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.115472 °	37.115472 °	
			-120.573628 °	-120.573628 °	
DWR ID	19746				

Photo 2 of 3 : UCIP\_SP\_2021\_62466\_62498.jpg



Headwall, pipe and flapgate visible on WS toe.

LM Start	<b>18.70</b>	Rating **	M	Issue No.	<b>48 (cont)</b>
LM End	<b>18.70</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62466\_62500.jpg



Headwall and pipe on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	19.15	Rating **	M	Issue No.	49
LM End	19.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.115466 °	37.115466 °
				-120.565467 °	-120.565467 °
DWR ID	19747				
Comment Code					
Inspector Comment					
FS_ID:62467 DS_ID:19747 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 19.13), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 19.11), listed as a 24-inch CMP] FS Date: 4/23/2014					

LM Start	19.15	Rating **	M	Issue No.	49 (cont)
LM End	19.15	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62467\_62504.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62467\_62506.jpg



Headwall, pipe, and flapgate visible on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>19.15</b>	Rating **	M	Issue No.	<b>49 (cont)</b>
LM End	<b>19.15</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.115466 °	37.115466 °
				-120.565467 °	-120.565467 °
DWR ID	19747				

Photo 3 of 3 : UCIP\_SP\_2021\_62467\_62505.jpg



Headwall and pipe visible on LS toe.

LM Start	<b>19.17</b>	Rating **	A/W	Issue No.	<b>50</b>
LM End	<b>19.17</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.115463 °	37.115463 °
				-120.565086 °	-120.565086 °
DWR ID	19776				

#### Comment Code

#### Inspector Comment

FS\_ID:62468  
DS\_ID:19776  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments:  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 19.15), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 19.15), listed as a 24-inch CMP]  
FS Date: 4/23/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62468\_62509.jpg



Headwall, pipe, and flapgate visible on WS toe.

#### \* Location

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

#### \*\* Rating

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

#### + Issue Type

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>19.17</b>	Rating **	A/W	Issue No.	<b>50 (cont)</b>
LM End	<b>19.17</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.115463 °	37.115463 °
				-120.565086 °	-120.565086 °
DWR ID	19776				

Photo 2 of 3 : UCIP\_SP\_2021\_62468\_62511.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	<b>19.17</b>	Rating **	A/W	Issue No.	<b>50 (cont)</b>
LM End	<b>19.17</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62468\_62510.jpg



Headwall and pipe visible on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	19.48	Rating **	M	Issue No.	51	
LM End	19.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.113542 °	37.113542 °	
				-120.560389 °	-120.560389 °	
DWR ID	19777					
Comment Code						
Inspector Comment						
FS_ID:62469 DS_ID:19777 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 19.46), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 19.46), listed as a 24-inch CMP] FS Date: 4/23/2014						

LM Start	<b>19.48</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>19.48</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62469\_62514.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62469\_62516.jpg



Headwall, pipe, and flapgate visible on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>19.52</b>	Rating **	M	Issue No.	<b>53 (cont)</b>
LM End	<b>19.52</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.112953 °	37.112953 °	
			-120.559943 °	-120.559943 °	
DWR ID	19778				

Photo 2 of 3 : UCIP\_SP\_2021\_62470\_62521.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	<b>19.52</b>	Rating **	M	Issue No.	<b>53 (cont)</b>
LM End	<b>19.52</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62470\_62520.jpg



Headwall and pipe visible on LS toe.

LM Start	19.61	Rating **	M	Issue No.	157
LM End	19.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.112089 °	37.112089 °
				-120.558929 °	-120.558929 °
DWR ID	DWR_NA0010_05_s_2021_157				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	19.64	Rating **	U	Issue No.	128
LM End	19.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.111664 °	37.111664 °
				-120.558511 °	-120.558511 °
DWR ID	DWR_NA0010_05_f_2020_128				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_128\_20210308\_00023.jpg



View of rodent activity on the waterside slope. (Fall 2020)

LM Start	19.65	Rating **	M	Issue No.	133
LM End	19.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.111599 °	37.111599 °
				-120.558443 °	-120.558443 °
DWR ID	DWR_NA0010_05_f_2020_133				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	19.86	Rating **	A/W	Issue No.	54
LM End	19.86	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.109284 °	37.109284 °
				-120.555948 °	-120.555948 °
DWR ID	19779				
Comment Code					
Inspector Comment					
FS_ID:62521 DS_ID:19779 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 19.83), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 19.84), listed as a 24-inch CMP] FS Date: 4/23/2014					

Photo 1 of 3 : UCIP\_SP\_2021\_62521\_62525.jpg



Headwall and pipe visible on LS toe.

LM Start	<b>19.86</b>	Rating **	A/W	Issue No.	<b>54 (cont)</b>
LM End	<b>19.86</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62521\_62524.jpg



Headwall and pipe visible on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>19.94</b>	Rating **	A/W	Issue No.	<b>55 (cont)</b>
LM End	<b>19.94</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.108426 °	37.108426 °
				-120.554990 °	-120.554990 °
DWR ID	19780				

Photo 2 of 3 : UCIP\_SP\_2021\_62472\_62530.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	<b>19.94</b>	Rating **	A/W	Issue No.	<b>55 (cont)</b>
LM End	<b>19.94</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62472\_62528.jpg



Headwall and pipe visible on LS toe.

LM Start	20.04	Rating **	M	Issue No.	165
LM End	20.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.107774 °	37.107774 °
				-120.554237 °	-120.554237 °
DWR ID	DWR_NA0010_05_s_2021_165				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	20.10	Rating **	A/W	Issue No.	56	
LM End	20.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.107091 °		37.107091 °
				-120.553503 °		-120.553503 °
DWR ID	19781					
Comment Code						
Inspector Comment						
FS_ID:62522						
DS_ID:19781						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 9.9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 20.04), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 20.05), listed as a 36-inch CMP]						
FS Date: 4/23/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62522\_62533.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	<b>20.10</b>	Rating **	A/W	Issue No.	<b>56 (cont)</b>
LM End	<b>20.10</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62522\_62532.jpg



Headwall, pipe, and flapgate visible on WS toe.

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

Page 83 of 147



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>20.24</b>	Rating **	A/W	Issue No.	<b>58 (cont)</b>
LM End	<b>20.24</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.105489 °	37.105489 °	
			-120.551886 °	-120.551886 °	
DWR ID	19783				

Photo 2 of 3 : UCIP\_SP\_2021\_62474\_62541.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	<b>20.24</b>	Rating **	A/W	Issue No.	<b>58 (cont)</b>
LM End	<b>20.24</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62474\_62540.jpg



Headwall and pipe visible on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	20.65	Rating **	M	Issue No.	59
LM End	20.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.100903 °	37.100903 °
				-120.547282 °	-120.547282 °
DWR ID	19784				
Comment Code					
Inspector Comment					
FS_ID:62523 DS_ID:19784 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 20.58), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 20.59), listed as a 24-inch CMP] FS Date: 4/23/2014					

Photo 1 of 3 : UCIP\_SP\_2021\_62523\_62544.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	20.65	Rating **	M	Issue No.	59 (cont)
LM End	20.65	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62523\_62543.jpg



Headwall, pipe, and flapgate visible on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>20.65</b>	Rating **	M	Issue No.	<b>59 (cont)</b>
LM End	<b>20.65</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.100903 °	37.100903 °
				-120.547282 °	-120.547282 °
DWR ID	19784				

Photo 3 of 3 : UCIP\_SP\_2021\_62523\_62545.jpg



Headwall and pipe visible on LS toe.

LM Start	20.93	Rating **	M	Issue No.	135
LM End	20.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.097826 °	37.097826 °
				-120.543984 °	-120.543984 °
DWR ID	DWR_NA0010_05_f_2020_135				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_135\_20210308\_00028.jpg



View of rodent burrow in the landside slope. (Fall 2020)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	21.13	Rating **	M	Issue No.	60
LM End	21.13	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.095603 °	37.095603 °	
			-120.541593 °	-120.541593 °	
DWR ID	19785				

**Comment Code**

**Inspector Comment**

FS\_ID:62476  
DS\_ID:19785  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 21.07), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 21.08), listed as a 24-inch CMP]  
FS Date: 4/23/2014

LM Start	21.13	Rating **	M	Issue No.	60 (cont)
LM End	21.13	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62476\_62549.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62476\_62551.jpg



Headwall, pipe, and flapgate visible on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>21.48</b>	Rating **	M	Issue No.	<b>61 (cont)</b>
LM End	<b>21.48</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.091755 °	37.091755 °
				-120.537414 °	-120.537414 °
DWR ID	19786				

Photo 2 of 3 : UCIP\_SP\_2021\_62524\_62556.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	<b>21.48</b>	Rating **	M	Issue No.	<b>61 (cont)</b>
LM End	<b>21.48</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62524\_62554.jpg



Headwall and pipe visible on LS toe.

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

Headwall, pipe, and flapgate visible on WS toe.

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	21.91	Rating **	M	Issue No.	62 (cont)	
LM End	21.91	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.087525 °		37.087525 °
				-120.532827 °		-120.532827 °
DWR ID	19787					

Photo 3 of 3 : UCIP\_SP\_2021\_62478\_62560.jpg



Headwall and pipe visible on LS toe.

LM Start	21.95	Rating **	M	Issue No.	63
LM End	21.95	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.087108 °	37.087108 °
				-120.532374 °	-120.532374 °
DWR ID	19788				

#### Comment Code

#### Inspector Comment

FS\_ID:62479  
DS\_ID:19788  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 21.85), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 21.85), listed as a 24-inch CMP].  
FS Date: 4/23/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62479\_62586.jpg



Headwall, pipe, and flapgate visible on WS toe.

#### \* Location

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

#### \*\* Rating

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

#### + Issue Type

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	21.95	Rating **	M	Issue No.	63 (cont)	
LM End	21.95	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.087108 °	37.087108 °	
				-120.532374 °	-120.532374 °	
DWR ID	19788					

Photo 2 of 3 : UCIP\_SP\_2021\_62479\_62588.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	<b>21.95</b>	Rating **	M	Issue No.	<b>63 (cont)</b>
LM End	<b>21.95</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62479\_62587.jpg



Headwall and pipe visible on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	22.28	Rating **	M	Issue No.	64
LM End	22.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.083410 °	37.083410 °
				-120.528356 °	-120.528356 °
DWR ID	19789				
Comment Code					
Inspector Comment					
FS_ID:62480 DS_ID:19789 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 22.18), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 22.19), listed as a 24-inch CMP]. FS Date: 4/23/2014					

LM Start	22.28	Rating **	M	Issue No.	64 (cont)
LM End	22.28	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62480\_62591.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62480\_62593.jpg



Headwall, pipe, and flapgate visible on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>22.28</b>	Rating **	M	Issue No.	<b>64 (cont)</b>
LM End	<b>22.28</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.083410 °	37.083410 °
				-120.528356 °	-120.528356 °
DWR ID	19789				

Photo 3 of 3 : UCIP\_SP\_2021\_62480\_62592.jpg



Headwall and pipe visible on LS toe.

LM Start	22.28	Rating **	C	Issue No.	143
LM End	22.41	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.083396 °	37.081992 °
				-120.528376 °	-120.526856 °
DWR ID	DWR_NA0010_05_f_2020_143				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	22.35	Rating **	M	Issue No.	121
LM End	22.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.082696 °	37.082696 °
				-120.527620 °	-120.527620 °
DWR ID	DWR_NA0010_05_f_2017_121				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Waterside slope damaged by animal traffic.					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_121\_20210308\_00018.jpg



Looking southeast at the waterside 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	22.55	Rating **	M	Issue No.	65
LM End	22.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.080486 °	37.080486 °
				-120.525180 °	-120.525180 °
DWR ID	19790				
Comment Code					
Inspector Comment					
FS_ID:62481 DS_ID:19790 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 22.46), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 22.46), listed as a 24-inch CMP] FS Date: 4/23/2014					

LM Start	22.55	Rating **	M	Issue No.	65 (cont)
LM End	22.55	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62481\_62596.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62481\_62598.jpg



Headwall, pipe, and flapgate visible on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	22.89	Rating **	M	Issue No.	66 (cont)
LM End	22.89	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.076830 °	37.076830 °
				-120.521116 °	-120.521116 °
DWR ID	19791				

Photo 2 of 3 : UCIP\_SP\_2021\_62482\_62600.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	<b>22.89</b>	Rating **	M	Issue No.	<b>66 (cont)</b>
LM End	<b>22.89</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62482\_62602.jpg



Headwall and pipe visible on LS toe.

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>23.03</b>	Rating **	M	Issue No.	<b>67</b>
LM End	<b>23.03</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.075387 °	37.075387 °	
			-120.519406 °	-120.519406 °	
DWR ID	19792				

**Comment Code**

**Inspector Comment**

FS\_ID:62483  
DS\_ID:19792  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 22.93), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 22.94), listed as a 24-inch CMP]  
FS Date: 4/23/2014

LM Start	<b>23.03</b>	Rating **	M	Issue No.	<b>67 (cont)</b>
LM End	<b>23.03</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62483\_62606.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62483\_62608.jpg



Headwall, pipe, and flapgate visible on WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>23.03</b>	Rating **	M	Issue No.	<b>67 (cont)</b>
LM End	<b>23.03</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.075387 °	37.075387 °
				-120.519406 °	-120.519406 °
DWR ID	19792				

Photo 3 of 3 : UCIP\_SP\_2021\_62483\_62607.jpg



Headwall and pipe visible on LS toe.

LM Start	23.24	Rating **	A/W	Issue No.	160
LM End	23.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.073064 °	37.068260 °
				-120.516771 °	-120.511583 °
DWR ID	DWR_NA0010_05_f_2018_160				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
There is slope damage caused by livestock on waterside.					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_160\_20210308\_00043.jpg



Slope damage cause by livestock foot traffic. (Fall 2018)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	23.25	Rating **	A/W	Issue No.	69	
LM End	23.25	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.072989 °		37.072989 °
				-120.516687 °		-120.516687 °
DWR ID	19794					
Comment Code						
Inspector Comment						
FS_ID:62485						
DS_ID:19794						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 11.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 23.14), listed as a 30-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 23.15), listed as a 30-inch CMP]						
FS Date: 3/25/2014 9:04:00 AM						

Photo 1 of 3 : UCIP\_SP\_2021\_62485\_59262.jpg



Concrete headwall on WS toe.

LM Start	<b>23.25</b>	Rating **	A/W	Issue No.	<b>69 (cont)</b>
LM End	<b>23.25</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62485\_59263.jpg



Flapgate and concrete headwall on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	23.25	Rating **	A/W	Issue No.	69 (cont)	
LM End	23.25	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.072989 °		37.072989 °
				-120.516687 °		-120.516687 °
DWR ID	19794					

Photo 3 of 3 : UCIP\_SP\_2021\_62485\_59261.jpg



Concrete headwall on LS toe.

LM Start	23.72	Rating **	M	Issue No.	70
LM End	23.72	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.067799 °	37.067799 °
				-120.511093 °	-120.511093 °
DWR ID	19796				

#### Comment Code

#### Inspector Comment

FS\_ID:62488  
 DS\_ID:19796  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 03/25/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 12.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on the WS end.  
 [Additional Reference(s): DWR Levee Log, 2002 (HLM 23.61), listed as a 30-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 23.62), listed as a 30-inch CMP]  
 FS Date: 3/25/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62488\_59272.jpg



Concrete headwall on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>23.72</b>	Rating **	M	Issue No.	<b>70 (cont)</b>
LM End	<b>23.72</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.067799 °	37.067799 °	
			-120.511093 °	-120.511093 °	
DWR ID	19796				

Photo 2 of 3 : UCIP\_SP\_2021\_62488\_59270.jpg



Flapgate on Concrete headwall on WS toe.

LM Start	<b>23.72</b>	Rating **	M	Issue No.	<b>70 (cont)</b>
LM End	<b>23.72</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62488\_59271.jpg



Concrete headwall on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	24.02	Rating **	M	Issue No.	71	
LM End	24.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.064494 °	37.064494 °	
				-120.507531 °	-120.507531 °	
DWR ID	19797					
Comment Code						
Inspector Comment						
FS_ID:62489 DS_ID:19797 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Minor sediment/debris buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 23.92), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 23.85), listed as a 36-inch CMP] FS Date: 3/25/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62489\_59282.jpg



Concrete headwall on WS toe.

LM Start	<b>24.02</b>	Rating **	M	Issue No.	<b>71 (cont)</b>
LM End	<b>24.02</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62489\_59280.jpg



Flapgate at Concrete headwall on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	24.02	Rating **	M	Issue No.	71 (cont)
LM End	24.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.064494 °	37.064494 °
				-120.507531 °	-120.507531 °
DWR ID	19797				

Photo 3 of 3 : UCIP\_SP\_2021\_62489\_59281.jpg



Concrete headwall on LS toe.

LM Start	24.28	Rating **	M	Issue No.	72
LM End	24.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.061724 °	37.061724 °
				-120.504512 °	-120.504512 °
DWR ID	19798				

#### Comment Code

#### Inspector Comment

FS\_ID:62490  
DS\_ID:19798  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 03/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 24.18), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 24.18), listed as a 24-inch CMP]  
FS Date: 3/25/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62490\_59287.jpg



Concrete headwall at WS toe.

#### \* Location

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

#### \*\* Rating

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

#### + Issue Type

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>24.28</b>	Rating **	M	Issue No.	<b>72 (cont)</b>
LM End	<b>24.28</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.061724 °	37.061724 °
				-120.504512 °	-120.504512 °
DWR ID	19798				

Photo 2 of 3 : UCIP\_SP\_2021\_62490\_59285.jpg



Flapgate at concrete headwall at WS toe.

LM Start	<b>24.28</b>	Rating **	M	Issue No.	<b>72 (cont)</b>
LM End	<b>24.28</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62490\_59286.jpg



Concrete headwall at LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>24.56</b>	Rating **	M	Issue No.	<b>73</b>
LM End	<b>24.56</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.058673 °	37.058673 °	
			-120.501238 °	-120.501238 °	
DWR ID	19799				

**Comment Code**

**Inspector Comment**

FS\_ID:62491  
DS\_ID:19799  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 03/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 24.46), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 24.46), listed as a 24-inch CMP]  
FS Date: 3/25/2014

LM Start	<b>24.56</b>	Rating **	M	Issue No.	<b>73 (cont)</b>
LM End	<b>24.56</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62491\_59292.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62491\_59290.jpg



Flapgate at Concrete headwall on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>24.56</b>	Rating **	M	Issue No.	<b>73 (cont)</b>
LM End	<b>24.56</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.058673 °	37.058673 °
				-120.501238 °	-120.501238 °
DWR ID	19799				

Photo 3 of 3 : UCIP\_SP\_2021\_62491\_59291.jpg



Concrete headwall on LS toe.

LM Start	<b>24.93</b>	Rating **	A/W	Issue No.	<b>74</b>
LM End	<b>24.93</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.054481 °	37.054481 °
				-120.496798 °	-120.496798 °
DWR ID	19800				

#### Comment Code

#### Inspector Comment

FS\_ID:62492  
 DS\_ID:19800  
 EP\_NO: N/A  
 Repair Type: No Action Needed  
 Crossing Status: Found  
 UCIP Comments:  
 FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 24.82), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 24.82), listed as a 24-inch CMP]  
 FS Date: 3/25/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62492\_59297.jpg



Concrete headwall on WS toe.

#### \* Location

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

#### \*\* Rating

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

#### + Issue Type

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>24.93</b>	Rating **	A/W	Issue No.	<b>74 (cont)</b>
LM End	<b>24.93</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.054481 °	37.054481 °	
			-120.496798 °	-120.496798 °	
DWR ID	19800				

Photo 2 of 3 : UCIP\_SP\_2021\_62492\_59295.jpg



Flapgate on concrete headwall on WS toe.

LM Start	<b>24.93</b>	Rating **	A/W	Issue No.	<b>74 (cont)</b>
LM End	<b>24.93</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62492\_59296.jpg



Concrete headwall on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	24.96	Rating **	A/W	Issue No.	75	
LM End	24.96	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.054344 °	37.054344 °	
				-120.496214 °	-120.496214 °	
DWR ID	19801					
Comment Code						
Inspector Comment						
FS_ID:62493						
DS_ID:19801						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 10.9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 24.86), listed as a 30-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 24.87), listed as a 30-inch CMP]						
FS Date: 3/25/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62493\_59302.jpg



Flapgate and channel off WS toe.

LM Start	<b>24.96</b>	Rating **	A/W	Issue No.	<b>75 (cont)</b>
LM End	<b>24.96</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62493\_59301.jpg



Concrete headwall on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	24.96	Rating **	A/W	Issue No.	75 (cont)
LM End	24.96	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.054344 °	37.054344 °
				-120.496214 °	-120.496214 °
DWR ID	19801				

Photo 3 of 3 : UCIP\_SP\_2021\_62493\_59303.jpg



Flapgate on headwall at WS toe.

LM Start	25.09	Rating **	A/W	Issue No.	123
LM End	25.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.053103 °	37.051252 °
				-120.494651 °	-120.492368 °
DWR ID	DWR_NA0010_05_f_2017_123				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_123\_20210308\_00019.jpg



View of the landside slope looking upstream. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	25.24	Rating **	M	Issue No.	77
LM End	25.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.051477 °	37.051477 °
				-120.492650 °	-120.492650 °
DWR ID	19803				
Comment Code					
Inspector Comment					
FS_ID:62518 DS_ID:19803 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Flapgate propped open during flood season. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 25.14), listed as a 30-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (recorded incorrectly as HLM 25.43 correct HLM 25.13), listed as a 30-inch CMP] FS Date: 10/27/2020 2:27:00 PM					

LM Start	<b>25.24</b>	Rating **	M	Issue No.	<b>77 (cont)</b>
LM End	<b>25.24</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62518\_59311.jpg



Concrete headwall and flapgate on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62518\_59312.jpg



Concrete headwall and flapgate on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	25.24	Rating **	M	Issue No.	77 (cont)
LM End	25.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.051477 °	37.051477 °
				-120.492650 °	-120.492650 °
DWR ID	19803				

Photo 3 of 3 : UCIP\_SP\_2021\_62518\_59310.jpg



Concrete headwall on LS toe.

LM Start	25.28	Rating **	M	Issue No.	9
LM End	25.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.051076 °	37.050349 °
				-120.492153 °	-120.491269 °
DWR ID	DWR_NA0010_05_s_2012_9				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes are noted along this section.					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_9\_20210308\_00007.jpg



View of representative rodent burrow. (Fall 2018)

LM Start	25.58	Rating **	U	Issue No.	148
LM End	25.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.047827 °	37.047551 °
				-120.488738 °	-120.488527 °
DWR ID	DWR_NA0010_05_f_2020_148				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_148\_20210308\_00037.jpg



View of burrows in the landside. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	25.61	Rating **	M	Issue No.	78
LM End	25.61	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.047455 °	37.047455 °
				-120.488443 °	-120.488443 °
DWR ID	19804				
Comment Code					
Inspector Comment					
FS_ID:62496 DS_ID:19804 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 25.51), listed as a 30-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 25.51), listed as a 30-inch CMP] FS Date: 3/25/2014					

LM Start	<b>25.61</b>	Rating **	M	Issue No.	<b>78 (cont)</b>
LM End	<b>25.61</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62496\_59316.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62496\_59317.jpg



Flapgate on concrete headwall at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	25.61	Rating **	M	Issue No.	78 (cont)
LM End	25.61	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.047455 °	37.047455 °
				-120.488443 °	-120.488443 °
DWR ID	19804				

Photo 3 of 3 : UCIP\_SP\_2021\_62496\_59315.jpg



Concrete headwall on LS toe.

LM Start	25.61	Rating **	M	Issue No.	124
LM End	25.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.047416 °	37.047416 °
				-120.488411 °	-120.488411 °
DWR ID	DWR_NA0010_05_f_2017_124				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_124\_20210308\_00020.jpg



Looking east at the waterside slope. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	25.63	Rating **	M	Issue No.	79	
LM End	25.63	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.047170 °	37.047170 °	
				-120.488222 °	-120.488222 °	
DWR ID	19805					
Comment Code						
Inspector Comment						
FS_ID:62497						
DS_ID:19805						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 03/25/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 12.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 25.53), listed as a 30-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 25.53), listed as a 30-inch CMP]						
FS Date: 3/25/2014						

LM Start	<b>25.63</b>	Rating **	M	Issue No.	<b>79 (cont)</b>
LM End	<b>25.63</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62497\_59321.jpg



Flapgate on headwall at WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62497\_59320.jpg



Concrete headwall on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	26.20	Rating **	M	Issue No.	81	
LM End	26.20	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.040070 °	37.040070 °	
				-120.482796 °	-120.482796 °	
DWR ID	19806					
Comment Code						
Inspector Comment						
FS_ID:62498 DS_ID:19806 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 26.10), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 26.11), listed as a 24-inch CMP] FS Date: 3/25/2014						

LM Start	<b>26.20</b>	Rating **	M	Issue No.	<b>81 (cont)</b>
LM End	<b>26.20</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62498\_59341.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62498\_59340.jpg



Flapgate on Concrete headwall at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>26.39</b>	Rating **	A/W	Issue No.	<b>82 (cont)</b>
LM End	<b>26.39</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.037772 °	37.037772 °	
			-120.481028 °	-120.481028 °	
DWR ID	19807				

Photo 2 of 3 : UCIP\_SP\_2021\_62499\_59346.jpg



Concrete headwall on WS toe.

LM Start	<b>26.39</b>	Rating **	A/W	Issue No.	<b>82 (cont)</b>
LM End	<b>26.39</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62499\_59345.jpg



Flapgate on Concrete headwall at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	26.95	Rating **	M	Issue No.	83
LM End	26.95	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.032669 °	37.032669 °
				-120.473901 °	-120.473901 °
DWR ID	19808				

**Comment Code**

**Inspector Comment**

FS\_ID:62500  
DS\_ID:19808  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 03/25/2014 Pipe has heavy silt buildup visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 26.85), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 26.85), listed as a 24-inch CMP]  
FS Date: 3/25/2014

LM Start	<b>26.95</b>	Rating **	M	Issue No.	<b>83 (cont)</b>
LM End	<b>26.95</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62500\_59350.jpg



Concrete headwall on LS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62500\_59349.jpg



Concrete headwall on LS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>26.95</b>	Rating **	M	Issue No.	<b>83 (cont)</b>
LM End	<b>26.95</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.032669 °	37.032669 °	
			-120.473901 °	-120.473901 °	
DWR ID	19808				

Photo 3 of 3 : UCIP\_SP\_2021\_62500\_59348.jpg



Silt buildup in pipe at LS toe.

LM Start	<b>26.97</b>	Rating **	M	Issue No.	<b>84</b>
LM End	<b>26.97</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.032680 °	37.032680 °	
			-120.473454 °	-120.473454 °	
DWR ID	19748				

**Comment Code**

**Inspector Comment**

FS\_ID:62501  
 DS\_ID:19748  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 03/25/2014 Tumble weed buildup at inlet mat create blockage and should be removed. (W. Wylie - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 26.87), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 26.87), listed as a 24-inch CMP]  
 FS Date: 3/25/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62501\_59353.jpg



Concrete headwall at WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>26.97</b>	Rating **	M	Issue No.	<b>84 (cont)</b>
LM End	<b>26.97</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.032680 °	37.032680 °	
			-120.473454 °	-120.473454 °	
DWR ID	19748				

Photo 2 of 3 : UCIP\_SP\_2021\_62501\_59355.jpg



Flapgate and Concrete headwall at WS toe.

LM Start	<b>26.97</b>	Rating **	M	Issue No.	<b>84 (cont)</b>
LM End	<b>26.97</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62501\_59354.jpg



Concrete headwall at LS toe.

LM Start	26.99	Rating **	U	Issue No.	162
LM End	27.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.032651 °	37.032659 °
				-120.473205 °	-120.472190 °
DWR ID	DWR_NA0010_05_f_2018_162				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several rodent burrows with large quantities of material displaced noted in this section.					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_162\_20210308\_00045.jpg



Several rodent burrows noted in this section of the levee. (Fall 2020)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	27.01	Rating **	M	Issue No.	125
LM End	27.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.032675 °	37.032675 °
				-120.472841 °	-120.472841 °
DWR ID	DWR_NA0010_05_s_2021_125				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_125\_20210308\_00021.jpg



Prunings left on the landside toe. (Fall 2020)

LM Start	27.31	Rating **	A/W	Issue No.	85	
LM End	27.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.032668 °		37.032668 °
				-120.467299 °		-120.467299 °
DWR ID	19749					
Comment Code						
Inspector Comment						
FS_ID:62502 DS_ID:19749 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 27.21), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 27.22), listed as a 36-inch CMP] FS Date: 3/25/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62502\_59358.jpg



Concrete headwall on WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>27.31</b>	Rating **	A/W	Issue No.	<b>85 (cont)</b>
LM End	<b>27.31</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.032668 °	37.032668 °
				-120.467299 °	-120.467299 °
DWR ID	19749				

Photo 2 of 3 : UCIP\_SP\_2021\_62502\_59359.jpg



Flapgate at Concrete headwall on WS toe.

LM Start	<b>27.31</b>	Rating **	A/W	Issue No.	<b>85 (cont)</b>
LM End	<b>27.31</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62502\_59357.jpg



Concrete headwall on LS toe.

LM Start	28.24	Rating **	M	Issue No.	163
LM End	28.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.032597 °	37.032595 °
				-120.450536 °	-120.450081 °
DWR ID	DWR_NA0010_05_f_2018_163				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Bait station is present. Burrows should be backfilled.					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	28.27	Rating **	M	Issue No.	86	
LM End	28.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.032623 °	37.032623 °	
				-120.450108 °	-120.450108 °	
DWR ID	19750					
Comment Code						
Inspector Comment						
FS_ID:62503 DS_ID:19750 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/25/2014 Animal Burrowing activity at LS toe may undermine headwall. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 28.17), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 28.17), listed as a 24-inch CMP] FS Date: 3/25/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62503\_59382.jpg



Concrete headwall on WS toe.

LM Start	<b>28.27</b>	Rating **	M	Issue No.	<b>86 (cont)</b>
LM End	<b>28.27</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62503\_59383.jpg



Flapgate on Concrete headwall at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	28.27	Rating **	M	Issue No.	86 (cont)
LM End	28.27	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.032623 °	37.032623 °
				-120.450108 °	-120.450108 °
DWR ID	19750				

Photo 3 of 3 : UCIP\_SP\_2021\_62503\_59381.jpg



Concrete headwall on LS toe.

LM Start	28.77	Rating **	M	Issue No.	149
LM End	30.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.031956 °	37.009507 °
				-120.441370 °	-120.425662 °
DWR ID	DWR_NA0010_05_s_2021_149				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_149\_20210517\_00326.jpg



View of vegetation on the landside slope and toe. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	28.79	Rating **	A/W	Issue No.	87	
LM End	28.79	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.031640 °		37.031640 °
				-120.441389 °		-120.441389 °
DWR ID	19751					
Comment Code						
Inspector Comment						
FS_ID:62504 DS_ID:19751 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 28.69), listed as a 30-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 28.69), listed as a 30-inch CMP] FS Date: 3/27/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62504\_59420.jpg



Concrete headwall on WS toe.

LM Start	<b>28.79</b>	Rating **	A/W	Issue No.	<b>87 (cont)</b>
LM End	<b>28.79</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62504\_59419.jpg



Concrete headwall on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	29.58	Rating **	M	Issue No.	89	
LM End	29.58	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.021497 °	37.021497 °	
				-120.434602 °	-120.434602 °	
DWR ID	19753					
Comment Code						
Inspector Comment						
FS_ID:62510 DS_ID:19753 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/27/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 10.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 29.49), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 29.49), listed as a 36-inch CMP] FS Date: 3/27/2014						

LM Start	<b>29.58</b>	Rating **	M	Issue No.	<b>89 (cont)</b>
LM End	<b>29.58</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62510\_59414.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62510\_59413.jpg



Flapgate on Concrete headwall at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>29.82</b>	Rating **	M	Issue No.	<b>90 (cont)</b>
LM End	<b>29.82</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.018505 °	37.018505 °	
			-120.432544 °	-120.432544 °	
DWR ID	19754				

Photo 2 of 3 : UCIP\_SP\_2021\_62511\_59426.jpg



Flapgate on Concrete headwall at WS toe.

LM Start	<b>29.82</b>	Rating **	M	Issue No.	<b>90 (cont)</b>
LM End	<b>29.82</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62511\_59425.jpg



Concrete headwall on LS toe.

LM Start	29.83	Rating **	U	Issue No.	151
LM End	29.83	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			37.018351 °	37.018351 °
				-120.432399 °	-120.432399 °
DWR ID	DWR_NA0010_05_s_2021_151				
Comment Code					
Inspector Comment					
Broken access gate should be repaired or replaced.					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_151\_20210517\_00327.jpg



Broken access gate at Avenue 18 1/2 crossing of the levee. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>29.88</b>	Rating **	M	Issue No.	<b>153</b>
LM End	<b>31.28</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.017761 °	37.001889 °	
			-120.432007 °	-120.416398 °	
DWR ID	DWR_NA0010_05_s _ 2021_153				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>29.89</b>	Rating **	M	Issue No.	<b>16</b>
LM End	<b>29.97</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.017540 °	37.016636 °	
			-120.431955 °	-120.431243 °	
DWR ID	DWR_NA0010_05_s _ 2012_16				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>30.14</b>	Rating **	M	Issue No.	<b>91</b>
LM End	<b>30.14</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.014471 °	37.014471 °	
			-120.429759 °	-120.429759 °	
DWR ID	19696				

**Comment Code**

**Inspector Comment**

FS\_ID:62512  
DS\_ID:19696  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 03/27/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 13.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end.  
[Additional Reference(s): DWR Levee Log, 2002 (HLM 30.04), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 30.04), listed as a 2.5-feet by 2.5-feet RCBC]  
FS Date: 3/27/2014

LM Start	<b>30.14</b>	Rating **	M	Issue No.	<b>91 (cont)</b>
LM End	<b>30.14</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62512\_59430.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62512\_59431.jpg



Flapgate on Concrete headwall at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>30.14</b>	Rating **	M	Issue No.	<b>91 (cont)</b>
LM End	<b>30.14</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.014471 °	37.014471 °	
			-120.429759 °	-120.429759 °	
DWR ID	19696				

Photo 3 of 3 : UCIP\_SP\_2021\_62512\_59429.jpg



Concrete headwall on LS toe.

LM Start	30.55	Rating **	U	Issue No.	154
LM End	31.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.009505 °	37.001889 °
				-120.425660 °	-120.416398 °
DWR ID	DWR_NA0010_05_s_2021_154				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_154\_20210517\_00328.jpg



Looking upstream along the landside slope. (Spring 2021)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>31.06</b>	Rating **	M	Issue No.	<b>92</b>
LM End	<b>31.06</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.004212 °	37.004212 °	
			-120.419178 °	-120.419178 °	
DWR ID	19697				

Comment Code

Inspector Comment

FS\_ID:62513  
DS\_ID:19697  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 03/27/2014 Some debris buildup at LS toe. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 13.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end.  
[Additional Reference(s): DWR Levee Log, 2002 (HLM 30.97), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 30.96), listed as a 2.5-feet by 2.5-feet RCBC]  
FS Date: 3/27/2014

LM Start	<b>31.06</b>	Rating **	M	Issue No.	<b>92 (cont)</b>
LM End	<b>31.06</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62513\_59435.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62513\_59436.jpg



Flapgate on Concrete headwall at WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>31.06</b>	Rating **	M	Issue No.	<b>92 (cont)</b>
LM End	<b>31.06</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.004212 °	37.004212 °
				-120.419178 °	-120.419178 °
DWR ID	19697				

Photo 3 of 3 : UCIP\_SP\_2021\_62513\_59434.jpg



Concrete headwall on LS toe.

LM Start	31.28	Rating **	M	Issue No.	155
LM End	33.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.001889 °	36.977359 °
				-120.416398 °	-120.380601 °
DWR ID	DWR_NA0010_05_s_2021_155				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	31.30	Rating **	M	Issue No.	93	
LM End	31.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.001754 °	37.001754 °	
				-120.416254 °	-120.416254 °	
DWR ID	19698					
Comment Code						
Inspector Comment						
FS_ID:62514 DS_ID:19698 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/27/2014 Excess vegetation buildup at inlet on LS toe. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 13.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 31.20), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 31.19), listed as a 2.5-feet by 2.5-feet RCBC] FS Date: 3/27/2014						

LM Start	<b>31.30</b>	Rating **	M	Issue No.	<b>93 (cont)</b>
LM End	<b>31.30</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62514\_59439.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62514\_59440.jpg



Flapgate at concrete headwall on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	31.74	Rating **	A/W	Issue No.	94	
LM End	31.74	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			36.997001 °		36.997001 °
				-120.410991 °		-120.410991 °
DWR ID	19699					
Comment Code						
Inspector Comment						
FS_ID:62515 DS_ID:19699 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 48-inch by 36-inch reinforced concrete box gravity drainage culvert through the levee, 14.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 31.64), listed as a 48-inch by 36-inch reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 31.64), listed as a 4-feet by 3-feet RCBC] FS Date: 3/27/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62515\_59444.jpg



Concrete headwall on WS toe.

LM Start	<b>31.74</b>	Rating **	A/W	Issue No.	<b>94 (cont)</b>
LM End	<b>31.74</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62515\_59442.jpg



Concrete headwall on WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>31.80</b>	Rating **	M	Issue No.	<b>95 (cont)</b>
LM End	<b>31.80</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			36.995029 °	36.995029 °
				-120.408914 °	-120.408914 °
DWR ID	19700				

Photo 2 of 3 : UCIP\_SP\_2021\_62506\_59687.jpg



Flapgate on Concrete headwall at channel on WS toe.

LM Start	<b>31.80</b>	Rating **	M	Issue No.	<b>95 (cont)</b>
LM End	<b>31.80</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62506\_59685.jpg



Concrete headwall on LS toe.

LM Start	32.28	Rating **	M	Issue No.	156
LM End	33.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.989830 °	36.977359 °
				-120.403044 °	-120.380601 °
DWR ID	DWR_NA0010_05_s_2021_156				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	32.32	Rating **	M	Issue No.	96	
LM End	32.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			36.989435 °	36.989435 °	
				-120.402626 °	-120.402626 °	
DWR ID	19701					
Comment Code						
Inspector Comment						
FS_ID:62507 DS_ID:19701 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/01/2014 Some silt buildup inside culvert. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 14.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end with flashboard attachment. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 32.22), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 32.22), listed as a 2.6-feet by 2.6-feet RCBC] FS Date: 4/1/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62507\_59690.jpg



Concrete headwall at inlet on LS toe.

LM Start	<b>32.32</b>	Rating **	M	Issue No.	<b>96 (cont)</b>
LM End	<b>32.32</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62507\_59688.jpg



Flapgate on Concrete headwall at WS toe.

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	<b>33.11</b>	Rating **	M	Issue No.	<b>97 (cont)</b>
LM End	<b>33.11</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			36.980861 °	36.980861 °
				-120.393116 °	-120.393116 °
DWR ID	19702				

Photo 2 of 3 : UCIP\_SP\_2021\_62508\_59699.jpg



Flapgate on Concrete headwall at WS toe.

LM Start	<b>33.11</b>	Rating **	M	Issue No.	<b>97 (cont)</b>
LM End	<b>33.11</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62508\_59698.jpg



Concrete headwall at inlet on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	33.81	Rating **	M	Issue No.	98
LM End	33.81	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			36.976808 °	36.976808 °
				-120.382593 °	-120.382593 °
DWR ID	19703				
Comment Code					
Inspector Comment					
FS_ID:62509 DS_ID:19703 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 13.9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 33.72), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 33.72), listed as a 2.6-feet by 2.6-feet RCBC] FS Date: 4/1/2014					

Photo 1 of 3 : UCIP\_SP\_2021\_62509\_59701.jpg



Concrete headwall at WS toe.

LM Start	<b>33.81</b>	Rating **	M	Issue No.	<b>98 (cont)</b>
LM End	<b>33.81</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62509\_59700.jpg



Flapgate on Concrete headwall at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	05/05/2021 05/06/2021	Corey Fujitani

LM Start	33.92	Rating **	U	Issue No.	167
LM End	34.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.977359 °	36.981430 °
				-120.380601 °	-120.367714 °
DWR ID	DWR_NA0010_05_s_2021_167				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_123\_167\_20210517\_00330.jpg



Looking upstream at vegetation on the waterside slope. (Spring 2021)

LM Start	34.26	Rating **	M	Issue No.	176
LM End	34.50	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.978510 °	36.978504 °
				-120.374796 °	-120.370342 °
DWR ID	DWR_NA0010_05_f_2019_176				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

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

\*\* **Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>0.08</b>	Rating **	M	Issue No.	<b>61</b>
LM End	<b>0.08</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.275835 °	37.275835 °	
			-120.824517 °	-120.824517 °	
DWR ID	DWR_NA0010_06_s_2020_61				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>0.46</b>	Rating **	M	Issue No.	<b>94</b>
LM End	<b>0.46</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.273362 °	37.273362 °	
			-120.818471 °	-120.818471 °	
DWR ID	DWR_NA0010_06_f_2018_94				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>0.75</b>	Rating **	M	Issue No.	<b>105</b>
LM End	<b>0.75</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.270878 °	37.270878 °	
			-120.814459 °	-120.814459 °	
DWR ID	DWR_NA0010_06_s_2021_105				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	0.78	Rating **	M	Issue No.	2	
LM End	0.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.270460 °	37.270460 °	
				-120.814290 °	-120.814290 °	
DWR ID	19816					
Comment Code						
Inspector Comment						
FS_ID:62230 DS_ID:19816 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Landward side blocked--need to contact owner to determine status of crossing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 16.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.86), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 0.86), listed as a 24-inch CMP] FS Date: 4/18/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62230\_66346.jpg



Overview of waterward side.

LM Start	<b>0.78</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>0.78</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62230\_66345.jpg



Concrete structure located on waterward toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>0.78</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>0.78</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.270460 °	37.270460 °
				-120.814290 °	-120.814290 °
DWR ID	19816				

Photo 3 of 3 : UCIP\_SP\_2021\_62230\_66344.jpg



View of landward side.

LM Start	1.18	Rating **	U	Issue No.	93
LM End	1.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.267101 °	37.267101 °
				-120.809603 °	-120.809603 °
DWR ID	DWR_NA0010_06_f_2018_93				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent burrows including large burrows were observed at this location.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_93\_20210308\_00023.jpg



View of landside slope. (Fall 2018)

LM Start	1.22	Rating **	M	Issue No.	100
LM End	1.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.266583 °	37.266583 °
				-120.809103 °	-120.809103 °
DWR ID	DWR_NA0010_06_s_2021_100				
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 N : Not Inspected/Rated  
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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	1.84	Rating **	M	Issue No.	125
LM End	1.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.259527 °	37.259527 °
				-120.803300 °	-120.803300 °
DWR ID	DWR_NA0010_06_s_2012_125				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.87	Rating **	M	Issue No.	4	
LM End	1.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.259312 °	37.259312 °	
				-120.802863 °	-120.802863 °	
DWR ID	19817					
Comment Code						
Inspector Comment						
FS_ID:62231 DS_ID:19817 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 No access was available to landward side due to fence. Recommend removing some of the vegetation on waterward toe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.96), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 1.95), listed as a 24-inch CMP] FS Date: 4/18/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62231\_66348.jpg



View of waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>1.87</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>1.87</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.259312 °	37.259312 °
				-120.802863 °	-120.802863 °
DWR ID	19817				

Photo 2 of 3 : UCIP\_SP\_2021\_62231\_66350.jpg



View of waterward side.

LM Start	<b>1.87</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>1.87</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62231\_66349.jpg



Flap gate visible on waterward side.

LM Start	2.30	Rating **	M	Issue No.	97
LM End	2.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.255734 °	37.255425 °
				-120.796447 °	-120.795989 °
DWR ID	DWR_NA0010_06_s_2021_97				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	2.42	Rating **	U	Issue No.	92
LM End	2.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.254519 °	37.254519 °
				-120.795141 °	-120.795141 °
DWR ID	DWR_NA0010_06_f_2018_92				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_92\_20210308\_00022.jpg



View of large rodent holes in landside slope. (Fall 2018)

LM Start	2.53	Rating **	M	Issue No.	6	
LM End	2.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.252948 °	37.252948 °	
				-120.794352 °	-120.794352 °	
DWR ID	19818					
Comment Code						
Inspector Comment						
FS_ID:62242						
DS_ID:19818						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Need to contact owner. Sediment buildup in pipe visible on landward side. (O. Magana - DWR UCIP)						
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 6.9 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.61), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 2.61), listed as a 36-inch CMP]						
FS Date: 4/18/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62242\_66354.jpg



View of waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	2.53	Rating **	M	Issue No.	6 (cont)	
LM End	2.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.252948 °	37.252948 °	
				-120.794352 °	-120.794352 °	
DWR ID	19818					

Photo 2 of 3 : UCIP\_SP\_2021\_62242\_66357.jpg



View of waterward side.

LM Start	<b>2.53</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>2.53</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62242\_66356.jpg



CMP riser, concrete headwall, and pipe visible on waterward side.

LM Start	2.54	Rating **	M	Issue No.	76
LM End	2.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.252874 °	37.252874 °
				-120.794192 °	-120.794192 °
DWR ID	DWR_NA0010_06_f_2016_76				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are several rodent burrows in the landside slope at this location.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_76\_20210308\_00011.jpg



Representative view of rodent burrow found at this section. (Fall 2018)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	2.57	Rating **	M	Issue No.	8	
LM End	2.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.252743 °	37.252743 °	
				-120.793756 °	-120.793756 °	
DWR ID	19819					
Comment Code						
Inspector Comment						
FS_ID:62233 DS_ID:19819 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe condition on landward toe--headwall blocked by dense vegetation. Recommend removing vegetation from landward toe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.65), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 2.65), listed as a 24-inch CMP] FS Date: 4/18/2014						

LM Start	<b>2.57</b>	Rating **	M	Issue No.	<b>8 (cont)</b>
LM End	<b>2.57</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62233\_66362.jpg



Overview of levee crown at crossing.

Photo 2 of 3 : UCIP\_SP\_2021\_62233\_66360.jpg



View of waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>2.77</b>	Rating **	M	Issue No.	<b>9 (cont)</b>
LM End	<b>2.77</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.253020 °	37.253020 °
				-120.790219 °	-120.790219 °
DWR ID	19820				

Photo 2 of 3 : UCIP\_SP\_2021\_62234\_66368.jpg



Overview of levee crown at crossing.

LM Start	<b>2.77</b>	Rating **	M	Issue No.	<b>9 (cont)</b>
LM End	<b>2.77</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62234\_66372.jpg



View of landward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	3.01	Rating **	M	Issue No.	10	
LM End	3.01	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.253811 °	37.253811 °	
				-120.786059 °	-120.786059 °	
DWR ID	19821					
Comment Code						
Inspector Comment						
FS_ID:62236						
DS_ID:19821						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe condition on landward toe--headwall blocked by dense vegetation. Recommend removing vegetation from landward toe. (O. Magana - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.09), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 3.09), listed as a 24-inch CMP]						
FS Date: 4/18/2014						

LM Start	<b>3.01</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>3.01</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62236\_66381.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_62236\_66380.jpg



Flap gate and concrete headwall visible on waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>3.21</b>	Rating **	M	Issue No.	<b>11 (cont)</b>
LM End	<b>3.21</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.253513 °	37.253513 °
				-120.782509 °	-120.782509 °
DWR ID	19822				

Photo 2 of 3 : UCIP\_SP\_2021\_62237\_66386.jpg



View of waterward side.

LM Start	<b>3.21</b>	Rating **	M	Issue No.	<b>11 (cont)</b>
LM End	<b>3.21</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62237\_66385.jpg



Crossing goes through the levee at an angle. Flap gate visible on waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	3.38	Rating **	M	Issue No.	12
LM End	3.38	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.252152 °	37.252152 °
				-120.779969 °	-120.779969 °
DWR ID	19823				
Comment Code					
Inspector Comment					
FS_ID:62243					
DS_ID:19823					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/18/2014 Alignment of crossing unknown--altered crossing. No headwall found on landward side only siphon breaker found a short distance from landward toe. Tall grass observed on waterward slope and some burrow activity also noticed. Need to contact owner to determine alignment of crossing and status of crossing. (O. Magana - DWR UCIP)					
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 15.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Bench mark (BM) stamped 9770-152 on top of the WS headwall. [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.44), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 3.43), listed as a 36-inch CMP]					
FS Date: 4/18/2014					

LM Start	<b>3.38</b>	Rating **	M	Issue No.	<b>12 (cont)</b>
LM End	<b>3.38</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62243\_66389.jpg



Overview of levee crown at crossing.

Photo 2 of 3 : UCIP\_SP\_2021\_62243\_66390.jpg



Flap gate and concrete headwall visible on waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>3.38</b>	Rating **	M	Issue No.	<b>12 (cont)</b>
LM End	<b>3.38</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.252152 °	37.252152 °	
			-120.779969 °	-120.779969 °	
DWR ID	19823				

Photo 3 of 3 : UCIP\_SP\_2021\_62243\_66391.jpg



View of landward side. No signs of concrete headwall only siphon breaker visible on landward side.

LM Start	<b>3.47</b>	Rating **	M	Issue No.	<b>15</b>
LM End	<b>3.47</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.251687 °	37.251687 °	
			-120.778534 °	-120.778534 °	
DWR ID	19825				

**Comment Code**

**Inspector Comment**

FS\_ID:62241  
 DS\_ID:19825  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 04/18/2014 Sediment buildup inside pipe visible from landward side. Excess soil is also present on landward toe partially blocking concrete headwall and inlet. Recommend removing soil from landward toe and clear buildup inside. (O. Magana - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 6.8 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on each end. Pipe connects to a 30-inch steel drainage pipe on the WS. Drainage pipe extends to the pump on the WS on a support platform in the channel. (Extension drainage pipe and pump installed under Permit No. 12527, 1979 - Joseph Gallo).  
 [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.54), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 3.54), listed as a 36-inch CMP]  
 FS Date: 4/18/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62241\_66394.jpg



View of waterward side--cmp riser and concrete headwall visible.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	3.47	Rating **	M	Issue No.	15 (cont)
LM End	3.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.251687 °	37.251687 °
				-120.778534 °	-120.778534 °
DWR ID	19825				

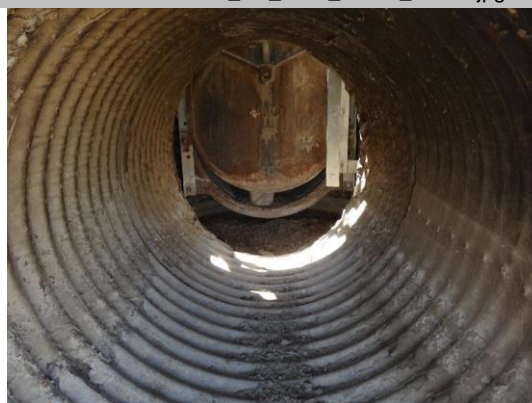
Photo 2 of 3 : UCIP\_SP\_2021\_62241\_66395.jpg



Inside view of cmp riser located on waterward slope.

LM Start	<b>3.47</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>3.47</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62241\_66397.jpg



Inside view of pipe from waterward side.

LM Start	3.49	Rating **	M	Issue No.	67
LM End	3.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.251602 °	37.251602 °
				-120.778118 °	-120.778118 °
DWR ID	DWR_NA0010_06_f_2017_67				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_67\_20210517\_00171.jpg



View of active rodent and burrow on the landside slope. (Spring 2021)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	3.69	Rating **	M	Issue No.	16	
LM End	3.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.251199 °	37.251199 °	
				-120.774474 °	-120.774474 °	
DWR ID	19826					
Comment Code						
Inspector Comment						
FS_ID:62244 DS_ID:19826 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Sediment buildup inside crossing and is visible from landward side. Recommend clearing sediment buildup inside pipe and check wall integrity to determine condition. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.78), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 3.77), listed as a 24-inch CMP] FS Date: 4/18/2014						

LM Start	<b>3.69</b>	Rating **	M	Issue No.	<b>16 (cont)</b>
LM End	<b>3.69</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62244\_66413.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_62244\_66412.jpg



View of landward side.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>3.89</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>3.89</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.250742 °	37.250742 °	
			-120.771026 °	-120.771026 °	
DWR ID	19827				

Photo 2 of 3 : UCIP\_SP\_2021\_62245\_66406.jpg



Slide gate inside CMP riser visible on waterward slope.

LM Start	<b>3.89</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>3.89</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62245\_66410.jpg



Inside view of CMP riser located on waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>4.09</b>	Rating **	M	Issue No.	<b>18</b>
LM End	<b>4.09</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.248353 °	37.248353 °	
			-120.768922 °	-120.768922 °	
DWR ID	19828				

**Comment Code**

**Inspector Comment**

FS\_ID:62246  
DS\_ID:19828  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe condition on landward toe--headwall blocked by dense vegetation. Recommend removing vegetation from landward toe. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.17), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 4.17), listed as a 24-inch CMP]  
FS Date: 4/18/2014

LM Start	<b>4.09</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>4.09</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62246\_66418.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_62246\_66417.jpg



Overview of levee crown at crossing.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	4.09	Rating **	M	Issue No.	18 (cont)
LM End	4.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.248353 °	37.248353 °
				-120.768922 °	-120.768922 °
DWR ID	19828				

Photo 3 of 3 : UCIP\_SP\_2021\_62246\_66416.jpg



Concrete headwall visible on landward side.

LM Start	4.33	Rating **	M	Issue No.	20
LM End	4.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.246459 °	37.246459 °
				-120.765470 °	-120.765470 °
DWR ID	19829				

#### Comment Code

#### Inspector Comment

FS\_ID:62247  
DS\_ID:19829  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe condition on landward toe--headwall blocked by dense vegetation. Recommend removing vegetation from landward toe. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.43), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 4.41), listed as a 24-inch CMP]  
FS Date: 4/18/2014

Photo 1 of 2 : UCIP\_SP\_2021\_62247\_66422.jpg



View of waterward side--concrete headwall and flap gate 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>4.62</b>	Rating **	M	Issue No.	<b>23 (cont)</b>
LM End	<b>4.62</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.243946 °	37.243946 °
				-120.761296 °	-120.761296 °
DWR ID	19830				

Photo 2 of 3 : UCIP\_SP\_2021\_62248\_66426.jpg



Inside view of CMP riser located on waterward.

LM Start	<b>4.62</b>	Rating **	M	Issue No.	<b>23 (cont)</b>
LM End	<b>4.62</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62248\_66424.jpg



Inside view of pipe from waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	4.67	Rating **	M	Issue No.	24	
LM End	4.67	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.243408 °	37.243408 °	
				-120.760564 °	-120.760564 °	
DWR ID	19831					
Comment Code						
Inspector Comment						
FS_ID:62249						
DS_ID:19831						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Need to contact owner. Recommend removing tall grass on landward toe to determine condition of crossing from landward side. (O. Magana - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.75), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 4.75), listed as a 24-inch CMP]						
FS Date: 4/18/2014						

LM Start	<b>4.67</b>	Rating **	M	Issue No.	<b>24 (cont)</b>
LM End	<b>4.67</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62249\_66433.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_62249\_66432.jpg



Flap gate, concrete headwall and apron visible on waterward toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>4.86</b>	Rating **	M	Issue No.	<b>25 (cont)</b>
LM End	<b>4.86</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.242024 °	37.242024 °
				-120.757602 °	-120.757602 °
DWR ID	19862				

Photo 2 of 3 : UCIP\_SP\_2021\_62250\_66438.jpg



View of flap gate, concrete headwall and apron located on waterward side.

LM Start	<b>4.86</b>	Rating **	M	Issue No.	<b>25 (cont)</b>
LM End	<b>4.86</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62250\_66437.jpg



Close up of flap gate located on waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	5.26	Rating **	M	Issue No.	26	
LM End	5.26	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.239098 °	37.239098 °	
				-120.751774 °	-120.751774 °	
DWR ID	19863					
Comment Code						
Inspector Comment						
FS_ID:62251 DS_ID:19863 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Clear vegetation from waterward slope and landward headwall. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 5.35), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 5.34), listed as a 24-inch CMP] FS Date: 4/18/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62251\_61599.jpg



View of waterward side.

LM Start	<b>5.26</b>	Rating **	M	Issue No.	<b>26 (cont)</b>
LM End	<b>5.26</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62251\_61598.jpg



Overview of levee crown at crossing.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	5.26	Rating **	M	Issue No.	26 (cont)
LM End	5.26	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.239098 °	37.239098 °
				-120.751774 °	-120.751774 °
DWR ID	19863				

Photo 3 of 3 : UCIP\_SP\_2021\_62251\_61597.jpg



View of landward side.

LM Start	5.55	Rating **	M	Issue No.	27
LM End	5.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.238610 °	37.238610 °
				-120.746591 °	-120.746591 °
DWR ID	19864				

#### Comment Code

#### Inspector Comment

FS\_ID:62252  
 DS\_ID:19864  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Also recommend removing excess vegetation at landward headwall. (O. Magana - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 5.63), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 5.63), listed as a 24-inch CMP]  
 FS Date: 4/18/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62252\_66441.jpg



Concrete headwall and flap gate visible on waterward 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>5.55</b>	Rating **	M	Issue No.	<b>27 (cont)</b>
LM End	<b>5.55</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.238610 °	37.238610 °	
			-120.746591 °	-120.746591 °	
DWR ID	19864				

Photo 2 of 3 : UCIP\_SP\_2021\_62252\_66440.jpg



View of waterward side--dense vegetation covers slope.

LM Start	<b>5.55</b>	Rating **	M	Issue No.	<b>27 (cont)</b>
LM End	<b>5.55</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62252\_66439.jpg



View of landward side.

LM Start	5.77	Rating **	M	Issue No.	66
LM End	5.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.238354 °	37.238354 °
				-120.742480 °	-120.742480 °
DWR ID	DWR_NA0010_06_f_2017_66				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
There is damage to the landside slope and shoulder from livestock.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_66\_20210308\_00006.jpg



View of damage to landside slope from livestock traffic looking downstream. (Fall 2019)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>5.98</b>	Rating **	A/W	Issue No.	<b>28</b>
LM End	<b>5.98</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.236414 °	37.236414 °	
			-120.739735 °	-120.739735 °	
DWR ID	19865				

**Comment Code**

**Inspector Comment**

FS\_ID:62253  
DS\_ID:19865  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 7/19/2016 Site has been repaired on WS and LS (see photos below). (O. Magana - DWR UCIP)5/26/2016 Erosion is undermining the WS headwall of drainage structure (photos of WS headwall provided by DWR Inspector R. Willoughby). Potential pipe failure at the outlet just behind headwall, recommend completing internal wall integrity of pipe length through levee to determine extent of damage to pipe. (O. Magana - DWR UCIP)4/18/2014 Need to contact owner. Sediment buildup in pipe visible on landside-- recommend clearing. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 6.06), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 6.06), listed as a 24-inch CMP]  
FS Date: 7/19/2016

LM Start	<b>5.98</b>	Rating **	A/W	Issue No.	<b>28 (cont)</b>
LM End	<b>5.98</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62253\_75493.jpg



View of WS--rock protection along drainage path.

Photo 2 of 3 : UCIP\_SP\_2021\_62253\_75488.jpg



WS drainage path protected by rip rap.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>5.98</b>	Rating **	A/W	Issue No.	<b>28 (cont)</b>
LM End	<b>5.98</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.236414 °	37.236414 °
				-120.739735 °	-120.739735 °
DWR ID	19865				

Photo 3 of 3 : UCIP\_SP\_2021\_62253\_75489.jpg



Inside view of pipe from WS.

LM Start	6.06	Rating **	A/W	Issue No.	22
LM End	6.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.235777 °	37.235777 °
				-120.738598 °	-120.738598 °
DWR ID	DWR_NA0010_06_s_2012_22				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	6.09	Rating **	M	Issue No.	21
LM End	6.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.235623 °	37.235623 °
				-120.738017 °	-120.738017 °
DWR ID	DWR_NA0010_06_s_2012_21				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	6.09	Rating **	M	Issue No.	85
LM End	6.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.235572 °	37.235572 °
				-120.738002 °	-120.738002 °
DWR ID	DWR_NA0010_06_f_2018_85				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Livestock damage to slope and shoulder of levee.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_85\_20210308\_00018.jpg



View of livestock damage on waterside slope. (Fall 2018)

LM Start	6.10	Rating **	M	Issue No.	84
LM End	6.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.235570 °	37.235570 °
				-120.737998 °	-120.737998 °
DWR ID	DWR_NA0010_06_f _ 2018_84				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Damage to slope and crown from livestock.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_84\_20210308\_00017.jpg



Erosion to slope and into crown from livestock. (Fall 2018)

LM Start	6.15	Rating **	M	Issue No.	95
LM End	6.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.235349 °	37.235349 °
				-120.737047 °	-120.737047 °
DWR ID	DWR_NA0010_06_s_2021_95				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	6.63	Rating **	M	Issue No.	90
LM End	6.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.231384 °	37.231384 °
				-120.730297 °	-120.730297 °
DWR ID	DWR_NA0010_06_s_2021_90				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_90\_20210517\_00172.jpg



Looking at multiple rodent holes in the landside slope. (Spring 2021)

LM Start	6.70	Rating **	A/W	Issue No.	29
LM End	6.70	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.230508 °	37.230508 °
				-120.729634 °	-120.729634 °
DWR ID	19866				
Comment Code					
Inspector Comment					
FS_ID:62258					
DS_ID:19866					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 6.78), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 6.79), listed as a 24-inch CMP]					
FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2021\_62258\_61628.jpg



Slide gate inside CMP riser and pipe visible on waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>6.70</b>	Rating **	A/W	Issue No.	<b>29 (cont)</b>
LM End	<b>6.70</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.230508 °	37.230508 °	
			-120.729634 °	-120.729634 °	
DWR ID	19866				

Photo 2 of 3 : UCIP\_SP\_2021\_62258\_61627.jpg



Concrete headwall visible on waterward side.

LM Start	<b>6.70</b>	Rating **	A/W	Issue No.	<b>29 (cont)</b>
LM End	<b>6.70</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62258\_61626.jpg



Inside view pipe from waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	6.89	Rating **	A/W	Issue No.	30	
LM End	6.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.228253 °	37.228253 °	
				-120.727865 °	-120.727865 °	
DWR ID	19867					
Comment Code						
Inspector Comment						
FS_ID:62255 DS_ID:19867 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 6.97), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 6.97), listed as a 36-inch CMP] FS Date: 4/18/2014						

LM Start	<b>6.89</b>	Rating **	A/W	Issue No.	<b>30 (cont)</b>
LM End	<b>6.89</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62255\_61640.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_62255\_61639.jpg



Concrete headwall and CMP riser visible on waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>6.89</b>	Rating **	A/W	Issue No.	<b>30 (cont)</b>
LM End	<b>6.89</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.228253 °	37.228253 °
				-120.727865 °	-120.727865 °
DWR ID	19867				

Photo 3 of 3 : UCIP\_SP\_2021\_62255\_61638.jpg



View of landward side.

LM Start	6.92	Rating **	A/W	Issue No.	79
LM End	6.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.228054 °	37.228054 °
				-120.727428 °	-120.727428 °
DWR ID	DWR_NA0010_06_f_2018_79				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Slope damage has been repaired with loose soil. Monitor for settlement.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_79\_20210308\_00013.jpg



View down the landside slope of damage from livestock. (Fall 2020)

LM Start	7.10	Rating **	A/W	Issue No.	7
LM End	7.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.226675 °	37.226675 °
				-120.724498 °	-120.724498 °
DWR ID	DWR_NA0010_06_s_2012_7				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	7.21	Rating **	M	Issue No.	31
LM End	7.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.226102 °	37.226102 °
				-120.722739 °	-120.722739 °
DWR ID	19868				
Comment Code					
Inspector Comment					
FS_ID:62256 DS_ID:19868 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Clear animal from waterward side. Some sediment buildup in pipe visible landward side--recommend clearing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 7.29), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 7.29), listed as a 24-inch CMP] FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2021\_62256\_61650.jpg



View of waterward side.

LM Start	7.21	Rating **	M	Issue No.	31 (cont)
LM End	7.21	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62256\_61649.jpg



Concrete headwall and flap gate visible on waterward side. Dead animal inside pipe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>7.21</b>	Rating **	M	Issue No.	<b>31 (cont)</b>
LM End	<b>7.21</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.226102 °	37.226102 °	
			-120.722739 °	-120.722739 °	
DWR ID	19868				

Photo 3 of 3 : UCIP\_SP\_2021\_62256\_61648.jpg



View of landward side.

LM Start	<b>7.66</b>	Rating **	M	Issue No.	<b>32</b>
LM End	<b>7.66</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.222743 °	37.222743 °	
			-120.716416 °	-120.716416 °	
DWR ID	19869				

#### Comment Code

#### Inspector Comment

FS\_ID:62257  
 DS\_ID:19869  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 04/18/2014 Some sediment buildup in pipe visible on landward side--recommend clearing. (O. Magana - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Skewed crossing.  
 [Additional Reference(s): DWR Levee Log, 2002 (HLM 7.74), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 7.74), listed as a 24-inch CMP]  
 FS Date: 4/18/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62257\_66462.jpg



View of waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>7.66</b>	Rating **	M	Issue No.	<b>32 (cont)</b>
LM End	<b>7.66</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.222743 °	37.222743 °	
			-120.716416 °	-120.716416 °	
DWR ID	19869				

Photo 2 of 3 : UCIP\_SP\_2021\_62257\_66461.jpg



Pipe crosses levee at an angle.

LM Start	<b>7.66</b>	Rating **	M	Issue No.	<b>32 (cont)</b>
LM End	<b>7.66</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62257\_66460.jpg



Concrete headwall and flap gate visible on waterward side.

LM Start	7.66	Rating **	A/W	Issue No.	74
LM End	7.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.222689 °	37.222689 °
				-120.716400 °	-120.716400 °
DWR ID	DWR_NA0010_06_f_2018_74				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Damage to levee slope from livestock access.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_74\_20210308\_00010.jpg



Slope damage from livestock. (Fall 2018)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	8.08	Rating **	A/W	Issue No.	65
LM End	8.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.217199 °	37.217199 °
				-120.713374 °	-120.713374 °
DWR ID	DWR_NA0010_06_f_2017_65				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Livestock damage to levee slope.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_65\_20210308\_00005.jpg



Looking southwest at the landside slope.

LM Start	8.13	Rating **	M	Issue No.	33	
LM End	8.13	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.216547 °		37.216547 °
				-120.713000 °		-120.713000 °
DWR ID	19870					
Comment Code						
Inspector Comment						
FS_ID:62259						
DS_ID:19870						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Sediment buildup in pipe--recommend contacting owner to clear sediment. (O. Magana - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 16.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.22), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 8.21), listed as a 24-inch CMP]						
FS Date: 4/18/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62259\_61674.jpg



View of waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>8.13</b>	Rating **	M	Issue No.	<b>33 (cont)</b>
LM End	<b>8.13</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.216547 °	37.216547 °	
			-120.713000 °	-120.713000 °	
DWR ID	19870				

Photo 2 of 3 : UCIP\_SP\_2021\_62259\_61673.jpg



Pipe crosses levee at an angle.

LM Start	<b>8.13</b>	Rating **	M	Issue No.	<b>33 (cont)</b>
LM End	<b>8.13</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62259\_61672.jpg



Concrete headwall and flap gate visible on waterward side.

LM Start	8.20	Rating **	A/W	Issue No.	104
LM End	8.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.215588 °	37.215588 °
				-120.712406 °	-120.712406 °
DWR ID	DWR_NA0010_06_f_2020_104				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Slope damage has been repaired with loose soil. Monitor for settlement.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_104\_20210308\_00029.jpg



Livestock damage to the landside slope. (Fall 2020)

* 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	8.32	Rating **	A/W	Issue No.	89
LM End	8.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.214273 °	37.214273 °
				-120.711100 °	-120.711100 °
DWR ID	DWR_NA0010_06_f_2019_89				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Slope damage has been repaired with loose soil. Monitor for settlement.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_89\_20210308\_00020.jpg



View of damage to the waterside slope looking upstream. (Fall 2019)

LM Start	8.43	Rating **	M	Issue No.	34
LM End	8.43	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.213288 °	37.213288 °
				-120.709503 °	-120.709503 °
DWR ID	19871				
Comment Code					
Inspector Comment					
FS_ID:62260 DS_ID:19871 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Sediment buildup in pipe visible on landward side--recommend clearing. Good candidate for pressure test or video inspection due to signs of heavy corrosion. If no leaks after tests this crossing would be a good candidate for rehabilitation. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.51), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 8.51), listed as a 24-inch CMP] FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2021\_62260\_61685.jpg



View of waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>8.43</b>	Rating **	M	Issue No.	<b>34 (cont)</b>
LM End	<b>8.43</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.213288 °	37.213288 °	
			-120.709503 °	-120.709503 °	
DWR ID	19871				

Photo 2 of 3 : UCIP\_SP\_2021\_62260\_61684.jpg



View of landward side.

LM Start	<b>8.43</b>	Rating **	M	Issue No.	<b>34 (cont)</b>
LM End	<b>8.43</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62260\_61683.jpg



Pipe crosses levee at an angle.

LM Start	9.67	Rating **	M	Issue No.	103
LM End	9.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.200934 °	37.200836 °
				-120.694084 °	-120.693406 °
DWR ID	DWR_NA0010_06_f_2020_103				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_103\_20210308\_00028.jpg



Rodent holes in the landside slope. (Fall 2020)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	10.12	Rating **	U	Issue No.	102
LM End	10.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.196845 °	37.196845 °
				-120.687892 °	-120.687892 °
DWR ID	DWR_NA0010_06_f_2020_102				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_102\_20210308\_00027.jpg



View of large animal burrow in the landside slope. (Fall 2020)

LM Start	11.49	Rating **	M	Issue No.	14
LM End	11.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.186189 °	37.186189 °
				-120.668476 °	-120.668476 °
DWR ID	DWR_NA0010_06_s_2015_14				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Almond tree located along Sandy Mush Road on waterside slope.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_14\_20210517\_00173.jpg



Looking west at tree on waterward slope. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	11.74	Rating **	M	Issue No.	44	
LM End	11.74	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.185513 °	37.185513 °	
				-120.664561 °	-120.664561 °	
DWR ID	19876					
Comment Code						
Inspector Comment						
FS_ID:62268 DS_ID:19876 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Clear debris from waterward and landward toes. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 17 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002 (HLM 11.83), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 11.82), listed as a 36-inch CMP]. FS Date: 4/17/2014						

LM Start	11.74	Rating **	M	Issue No.	44 (cont)
LM End	11.74	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62268\_66488.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_62268\_66487.jpg



View of landward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>11.74</b>	Rating **	M	Issue No.	<b>44 (cont)</b>
LM End	<b>11.74</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.185513 °	37.185513 °
				-120.664561 °	-120.664561 °
DWR ID	19876				

Photo 3 of 3 : UCIP\_SP\_2021\_62268\_66486.jpg



Slide gate inside CMP riser located on waterward slope.

LM Start	12.66	Rating **	M	Issue No.	88
LM End	13.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.172241 °	37.171674 °
				-120.664612 °	-120.651056 °
DWR ID	DWR_NA0010_06_s_2021_88				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	12.66	Rating **	M	Issue No.	87
LM End	13.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.172198 °	37.171618 °
				-120.664614 °	-120.641228 °
DWR ID	DWR_NA0010_06_s_2021_87				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	13.22	Rating **	M	Issue No.	45
LM End	13.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.171675 °	37.171675 °
				-120.655064 °	-120.655064 °
DWR ID	19877				
Comment Code					
Inspector Comment					
FS_ID:62270 DS_ID:19877 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Not accessible--crossing is buried on landward side. Need to contact owner to determine status. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.8 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 18.91), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 13.30), listed as a 24-inch CMP]. FS Date: 4/17/2014					

Photo 1 of 3 : UCIP\_SP\_2021\_62270\_66492.jpg



View of levee crown at crossing.

LM Start	13.22	Rating **	M	Issue No.	45 (cont)
LM End	13.22	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62270\_66494.jpg



View of waterward slope.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	13.22	Rating **	M	Issue No.	45 (cont)
LM End	13.22	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.171675 °	37.171675 °	
			-120.655064 °	-120.655064 °	
DWR ID	19877				

Photo 3 of 3 : UCIP\_SP\_2021\_62270\_66495.jpg



Inside view of CMP riser located on waterward slope.

LM Start	14.36	Rating **	M	Issue No.	46
LM End	14.36	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.167888 °	37.167888 °	
			-120.636419 °	-120.636419 °	
DWR ID	19878				

Photo 1 of 3 : UCIP\_SP\_2021\_62271\_66496.jpg



View of waterward slope.

Comment Code					
Inspector Comment					
FS_ID:62271 DS_ID:19878 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Not accessible--crossing is buried on landward side. Need to contact owner to determine status. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.3 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 14.45), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 14.44), listed as a 24-inch CMP] FS Date: 4/17/2014					

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	14.36	Rating **	M	Issue No.	46 (cont)
LM End	14.36	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.167888 °	37.167888 °
				-120.636419 °	-120.636419 °
DWR ID	19878				

Photo 2 of 3 : UCIP\_SP\_2021\_62271\_66497.jpg



View of pipe daylight, flap gate, and concrete headwall visible on waterward toe.

LM Start	<b>14.36</b>	Rating **	M	Issue No.	<b>46 (cont)</b>
LM End	<b>14.36</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62271\_66498.jpg



View of landward slope.

LM Start	14.37	Rating **	U	Issue No.	98	
LM End	14.37	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.167740 °		37.167740 °
				-120.636282 °		-120.636282 °
DWR ID	DWR_NA0010_06_f_2020_98					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						

Photo 1 of 1 : SP\_2021\_NA0010\_124\_98\_20210308\_00024.jpg



Looking upstream along the waterside slope. (Fall 2020)

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	14.63	Rating **	M	Issue No.	101
LM End	14.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.164871 °	37.164824 °
				-120.633222 °	-120.633167 °
DWR ID	DWR_NA0010_06_f_2018_101				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Burrows are located along landside shoulder.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_101\_20210308\_00026.jpg



View of rodent hole on landside shoulder. (Fall 2018)

LM Start	15.38	Rating **	M	Issue No.	124
LM End	15.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.159398 °	37.157217 °
				-120.621543 °	-120.618915 °
DWR ID	DWR_NA0010_06_s_2012_124				
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                      N : Not Inspected/Rated  
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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	15.68	Rating **	M	Issue No.	47
LM End	15.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.156934 °	37.156934 °
				-120.617210 °	-120.617210 °
DWR ID	19884				
Comment Code					
Inspector Comment					
FS_ID:62272 DS_ID:19884 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Need to contact owner. Sediment buildup on both the waterward and landward side. Recommend removing sediment buildup from both side. Also recommend clearing excess sediment inside crossing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 15.78), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 15.76), listed as a 24-inch CMP]. FS Date: 4/17/2014					

LM Start	15.68	Rating **	M	Issue No.	47 (cont)
LM End	15.68	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62272\_66507.jpg



Flap gate buried halfway on waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_62272\_66506.jpg



View of waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>15.68</b>	Rating **	M	Issue No.	<b>47 (cont)</b>
LM End	<b>15.68</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.155934 °	37.155934 °	
			-120.617210 °	-120.617210 °	
DWR ID	19884				

Photo 3 of 3 : UCIP\_SP\_2021\_62272\_66505.jpg



Overview of levee crown at crossing.

LM Start	<b>15.82</b>	Rating **	M	Issue No.	<b>48</b>
LM End	<b>15.82</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.155539 °	37.155539 °	
			-120.615303 °	-120.615303 °	
DWR ID	19885				

#### Comment Code

#### Inspector Comment

FS\_ID:62273  
DS\_ID:19885  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 04/17/2014 Need to contact owner to determine status of crossing. Waterward side is buried and not accessible. Landward side headwall is blocked by dense vegetation. Recommend confirming status of flap gate on waterward side and removing dense vegetation from landward side. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 16.6 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 15.93), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 15.91), listed as a 36-inch CMP]  
FS Date: 4/17/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62273\_66530.jpg



View of waterward side, Photo 1 of 3.

#### \* Location

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

#### \*\* Rating

A : Acceptable N : Not Inspected/Rated  
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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	15.82	Rating **	M	Issue No.	48 (cont)
LM End	15.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.155539 °	37.155539 °
				-120.615303 °	-120.615303 °
DWR ID	19885				

Photo 2 of 3 : UCIP\_SP\_2021\_62273\_66526.jpg



View of waterward side, photo 2 of 3.

LM Start	<b>15.82</b>	Rating **	M	Issue No.	<b>48 (cont)</b>
LM End	<b>15.82</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62273\_66529.jpg



View of waterward side, photo 3 of 3.

LM Start	16.24	Rating **	M	Issue No.	83
LM End	16.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.151529 °	37.151529 °
				-120.609767 °	-120.609767 °
DWR ID	DWR_NA0010_06_s_2021_83				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	17.83	Rating **	C	Issue No.	96
LM End	18.07	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.132532 °	37.129440 °
				-120.593423 °	-120.591533 °
DWR ID	DWR_NA0010_06_f_2020_96				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	18.20	Rating **	M	Issue No.	50
LM End	18.20	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.127773 °	37.127773 °
				-120.590809 °	-120.590809 °
DWR ID	19887				
Comment Code					
Inspector Comment					
FS_ID:62276					
DS_ID:19887					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/17/2014 Sediment build up on landward side toe -- debris blockage. No photos available. Recommend taking photos of crossing. (O. Magana - DWR UCIP)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 18.29), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 18.27), listed as a 24-inch CMP].					
FS Date: 4/17/2014					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	18.89	Rating **	M	Issue No.	52	
LM End	18.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.118178 °	37.118178 °	
				-120.586783 °	-120.586783 °	
DWR ID	19889					
Comment Code						
Inspector Comment						
FS_ID:62277 DS_ID:19889 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.2 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002 (HLM 18.98), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 18.97), listed as a 24-inch CMP]. FS Date: 4/17/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62277\_66579.jpg



View of waterward side.

LM Start	<b>18.89</b>	Rating **	M	Issue No.	<b>52 (cont)</b>
LM End	<b>18.89</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62277\_66582.jpg



Inside view of CMP riser located on waterward slope.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	18.89	Rating **	M	Issue No.	52 (cont)
LM End	18.89	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.118178 °	37.118178 °
				-120.586783 °	-120.586783 °
DWR ID	19889				

Photo 3 of 3 : UCIP\_SP\_2021\_62277\_66581.jpg



Pipe daylight on waterward side.

LM Start	19.07	Rating **	U	Issue No.	72
LM End	19.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.115706 °	37.115706 °
				-120.587036 °	-120.587036 °
DWR ID	DWR_NA0010_06_s_2021_72				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_72\_20210517\_00174.jpg



Large rodent burrows observed in the landside slope. (Spring 2021)

LM Start	19.14	Rating **	A/W	Issue No.	1211
LM End	19.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.114793 °	37.114793 °
				-120.587582 °	-120.587582 °
DWR ID	DWR_NA0010_06_s_2015_1211				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several large rodent holes with more than 2 cubic feet of material were previously noted on the waterside slope.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_1211\_20210308\_00038.jpg



Looking at several rodent holes on waterward slope. (Fall 2015)

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	19.22	Rating **	M	Issue No.	71
LM End	19.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.113759 °	37.113138 °
				-120.588195 °	-120.586480 °
DWR ID	DWR_NA0010_06_s_2021_71				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	19.28	Rating **	M	Issue No.	53
LM End	19.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.112902 °	37.112902 °
				-120.588751 °	-120.588751 °
DWR ID	19890				
Comment Code					
Inspector Comment					
FS_ID:62278 DS_ID:19890 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 20 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. Riprap along the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2002 (HLM 19.36), listed as a 48-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 19.36), listed as a 48-inch CMP]. FS Date: 4/17/2014					

Photo 1 of 3 : UCIP\_SP\_2021\_62278\_66583.jpg



View of waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	19.28	Rating **	M	Issue No.	53 (cont)	
LM End	19.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.112902 °		37.112902 °
				-120.588751 °		-120.588751 °
DWR ID	19890					

Photo 2 of 3 : UCIP\_SP\_2021\_62278\_66584.jpg



Riser located on waterward slope.

LM Start	<b>19.28</b>	Rating **	M	Issue No.	<b>53 (cont)</b>
LM End	<b>19.28</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62278\_66586.jpg



View of landward slope.

LM Start	19.41	Rating **	M	Issue No.	111
LM End	19.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.111677 °	37.112556 °
				-120.587568 °	-120.586921 °
DWR ID	DWR_NA0010_06_f_2019_111				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	19.94	Rating **	M	Issue No.	54
LM End	19.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.113304 °	37.113304 °
				-120.579102 °	-120.579102 °
DWR ID	19891				
Comment Code					
Inspector Comment					
FS_ID:62279 DS_ID:19891 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 19.82), listed as a 2.5-foot by 2.5-foot reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 19.85), listed as a 2.5-foot by 2.5 foot RCBC]. FS Date: 4/17/2014					

LM Start	<b>19.94</b>	Rating **	M	Issue No.	<b>54 (cont)</b>
LM End	<b>19.94</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62279\_66591.jpg



Overview of levee crown looking downstream.

Photo 2 of 3 : UCIP\_SP\_2021\_62279\_66592.jpg



View of levee crown at crossing.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>19.94</b>	Rating **	M	Issue No.	<b>54 (cont)</b>
LM End	<b>19.94</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.113304 °	37.113304 °	
			-120.579102 °	-120.579102 °	
DWR ID	19891				

Photo 3 of 3 : UCIP\_SP\_2021\_62279\_66590.jpg



View of "U" concrete headwall located on waterward side.

LM Start	20.79	Rating **	M	Issue No.	1209
LM End	21.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.113107 °	37.109735 °
				-120.563782 °	-120.560079 °
DWR ID	DWR_NA0010_06_s_2015_1209				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Erosion on landside slope greater than 3 inches. Erosion caused by livestock.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_1209\_20210308\_00037.jpg



Erosion on the landside slope from livestock activity. (Spring 2020)

LM Start	21.39	Rating **	M	Issue No.	114
LM End	21.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.106397 °	37.106397 °
				-120.556727 °	-120.556727 °
DWR ID	DWR_NA0010_06_f_2019_114				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_114\_20210308\_00031.jpg



View of rodent burrows on the landside slope. (Spring 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	22.41	Rating **	M	Issue No.	86
LM End	22.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.094969 °	37.094479 °
				-120.544964 °	-120.544435 °
DWR ID	DWR_NA0010_06_f_2017_86				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Erosion greater than 3 inches on landside slope caused by livestock.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_86\_20210308\_00019.jpg



Looking upstream along the landside slope. (Fall 2020)

LM Start	22.87	Rating **	M	Issue No.	117
LM End	22.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.089954 °	37.089954 °
				-120.539535 °	-120.539535 °
DWR ID	DWR_NA0010_06_f_2019_117				
Comment Code					
DE : Debris					
Inspector Comment					
Large block of concrete left on the landside toe.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_117\_20210308\_00032.jpg



Large concrete block left on the landside toe. (Fall 2019)

LM Start	24.46	Rating **	M	Issue No.	78
LM End	24.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			37.072606 °	37.072606 °
				-120.520748 °	-120.520748 °
DWR ID	DWR_NA0010_06_f_2020_78				
Comment Code					
Inspector Comment					
Under eastbound 152. Gate in channel under highway 152 should be repaired.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_78\_20210308\_00012.jpg



View of damaged access gate under highway 152. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	24.51	Rating **	U	Issue No.	5
LM End	25.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.072048 °	37.066501 °
				-120.520180 °	-120.514193 °
DWR ID	DWR_NA0010_06_s_2012_5				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Landside erosion and slope instability caused by livestock extends into levee crown. At the worst locations erosion extends 2.5 feet to 3 feet from the shoulder into the crown.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_5\_20210308\_00002.jpg



Looking downstream at erosion from livestock. (Fall 2020)

LM Start	26.13	Rating **	M	Issue No.	1208
LM End	26.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.054222 °	37.054222 °
				-120.500862 °	-120.500862 °
DWR ID	DWR_NA0010_06_s_2015_1208				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Noted several rodent holes next to and within rock revetment on landside slope.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_1208\_20210308\_00036.jpg



Rodent holes on landward slope.

LM Start	26.71	Rating **	M	Issue No.	77
LM End	26.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.048333 °	37.048333 °
				-120.493507 °	-120.493507 °
DWR ID	DWR_NA0010_06_f_2020_77				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	27.43	Rating **	M	Issue No.	3
LM End	27.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.036955 °	37.032762 °
				-120.484395 °	-120.481078 °
DWR ID	DWR_NA0010_06_s_2012_3				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Landside erosion and slope instability caused by livestock. Erosion greater than 3" in depth on landside slope. Levee crown has narrowed within this reach.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_3\_20210308\_00001.jpg



Looking south along landside slope. (Spring 2019)

LM Start	28.39	Rating **	M	Issue No.	75
LM End	28.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.030010 °	37.030010 °
				-120.474765 °	-120.474765 °
DWR ID	DWR_NA0010_06_f_2020_75				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	28.47	Rating **	M	Issue No.	19
LM End	28.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.029937 °	37.029977 °
				-120.473384 °	-120.472266 °
DWR ID	DWR_NA0010_06_s_2015_19				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent burrows are also on the crown.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_19\_20210308\_00004.jpg



View of rodent burrow in the levee crown. (Fall 2019)

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	<b>28.95</b>	Rating **	M	Issue No.	<b>126</b>
LM End	<b>28.95</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.030155 °	37.030155 °	
			-120.464738 °	-120.464738 °	
DWR ID	DWR_NA0010_06_f_2019_126				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>29.51</b>	Rating **	M	Issue No.	<b>73</b>
LM End	<b>29.51</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.030437 °	37.030437 °	
			-120.454568 °	-120.454568 °	
DWR ID	DWR_NA0010_06_f_2020_73				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>30.81</b>	Rating **	M	Issue No.	<b>1207</b>
LM End	<b>31.06</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.021615 °	37.018428 °	
			-120.437587 °	-120.435378 °	
DWR ID	DWR_NA0010_06_s_2015_1207				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Landside erosion greater than 1" in depth and greater than 3" in length. Erosion is caused by livestock traffic.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_1207\_20210308\_00035.jpg



Looking upstream at livestock damage to the landside slope. (Fall 2020)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	05/12/2021 05/14/2021	Corey Fujitani

LM Start	32.00	Rating **	U	Issue No.	81
LM End	32.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.007007 °	37.007007 °
				-120.426179 °	-120.426179 °
DWR ID	DWR_NA0010_06_f_2017_81				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_81\_20210308\_00015.jpg



Looking west at the landside slope.

LM Start	32.50	Rating **	M	Issue No.	129
LM End	32.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.001898 °	36.997745 °
				-120.419861 °	-120.415197 °
DWR ID	DWR_NA0010_06_s_2019_129				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Slope damage from livestock. Damage is beginning to erode into levee crown.					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_129\_20210308\_00034.jpg



Erosion from animal activity along the landside slope. (Spring 2019)

LM Start	34.04	Rating **	M	Issue No.	62
LM End	36.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.985171 °	36.974171 °
				-120.401278 °	-120.363330 °
DWR ID	DWR_NA0010_06_s_2021_62				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_124\_62\_20210517\_00178.jpg



View of vegetation on the landside slope and toe. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/05/2021 05/05/2021	Corey Fujitani

LM Start	0.07	Rating **	M	Issue No.	2
LM End	0.07	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.255897 °	37.255897 °
				-120.771127 °	-120.771127 °
DWR ID	19892				

Comment Code

Inspector Comment

FS\_ID:62031  
DS\_ID:19892  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 07/20/2016 Inlet blocked off by wooden board. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along WS and LS. Crossing downgraded from Urgent to Non-Urgent. (O. Magana - DWR UCIP)04/15/2014 Flapgate partially blocked by soil buildup at WS toe. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.08), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.07), listed as a 24-inch CMP].  
FS Date: 7/20/2016

LM Start	<b>0.07</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>0.07</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62031\_60954.jpg



Pipe and headwall at WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62031\_60955.jpg



Pipe, headwall, and flapgate at WS toe. Soil buildup partially blocking flapgate.

* 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 - Spring 2021**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/05/2021 05/05/2021	Corey Fujitani

LM Start	<b>0.07</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>0.07</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.255897 °	37.255897 °
				-120.771127 °	-120.771127 °
DWR ID	19892				

Photo 3 of 3 : UCIP\_SP\_2021\_62031\_60953.jpg



Pipe and headwall at LS toe.

LM Start	0.24	Rating **	M	Issue No.	29
LM End	0.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.256936 °	37.258722 °
				-120.768472 °	-120.764867 °
DWR ID	DWR_NA0010_07_s_2012_29				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes were noted on the landside and waterside slope and shoulder.					

Photo 1 of 1 : SP\_2021\_NA0010\_125\_29\_20210308\_00009.jpg



Looking north at landside 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/05/2021 05/05/2021	Corey Fujitani

LM Start	0.33	Rating **	A/W	Issue No.	3	
LM End	0.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.257691 °	37.257691 °	
				-120.767203 °	-120.767203 °	
DWR ID	19893					
Comment Code						
Inspector Comment						
FS_ID:62044						
DS_ID:19893						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.34), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.33), listed as a 24-inch CMP].						
FS Date: 4/15/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62044\_60958.jpg



Pipe and headwall on WS toe.

LM Start	<b>0.33</b>	Rating **	A/W	Issue No.	<b>3 (cont)</b>
LM End	<b>0.33</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62044\_60957.jpg



Pipe, headwall, and flapgate on WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/05/2021 05/05/2021	Corey Fujitani

LM Start	<b>0.33</b>	Rating **	A/W	Issue No.	<b>3 (cont)</b>
LM End	<b>0.33</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.257691 °	37.257691 °
				-120.767203 °	-120.767203 °
DWR ID	19893				

Photo 3 of 3 : UCIP\_SP\_2021\_62044\_60959.jpg



Pipe and headwall on LS toe.

LM Start	0.44	Rating **	M	Issue No.	22
LM End	0.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.257894 °	37.257894 °
				-120.765231 °	-120.765231 °
DWR ID	DWR_NA0010_07_s_2021_22				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_125\_22\_20210518\_00043.jpg



View of rodent burrows in the waterside slope and shoulder. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/05/2021 05/05/2021	Corey Fujitani

LM Start	<b>0.49</b>	Rating **	M	Issue No.	<b>4</b>
LM End	<b>0.49</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.258543 °	37.258543 °	
			-120.764728 °	-120.764728 °	
DWR ID	19894				

Comment Code

Inspector Comment

FS\_ID:62042  
DS\_ID:19894  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 04/15/2014 Slide gate not operable, but left in closed position. Need to reinstall covers over slide gate standpipe. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the landside (LS) slope. Concrete U-shaped headwall on the LS end. Inlet channel cobble revetted. Dilapidated wooden pier on the waterside (WS). WS slope and outlet ditch cobble revetted. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.49), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.49), listed as a 36-inch CMP].  
FS Date: 4/15/2014

LM Start	<b>0.49</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>0.49</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62042\_60963.jpg



Slide gate in CMP riser on WS slope.

Photo 2 of 3 : UCIP\_SP\_2021\_62042\_60965.jpg



Outlet on WS slope.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/05/2021 05/05/2021	Corey Fujitani

LM Start	<b>0.49</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>0.49</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.258543 °	37.258543 °
				-120.764728 °	-120.764728 °
DWR ID	19894				

Photo 3 of 3 : UCIP\_SP\_2021\_62042\_60964.jpg



Pipe and headwall on LS toe.

LM Start	0.53	Rating **	A/W	Issue No.	18
LM End	0.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.259097 °	37.259097 °
				-120.764846 °	-120.764846 °
DWR ID	DWR_NA0010_07_f_2018_18				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
There is livestock damage to the landside slope.					

Photo 1 of 1 : SP\_2021\_NA0010\_125\_18\_20210308\_00006.jpg



View of damage from livestock looking upstream. (Fall 2018)

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/05/2021 05/05/2021	Corey Fujitani

LM Start	0.53	Rating **	A/W	Issue No.	7	
LM End	0.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.259163	°	37.259163
				-120.764860	°	-120.764860
DWR ID	19895					
Comment Code						
Inspector Comment						
FS_ID:62045						
DS_ID:19895						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall with a wooden weir at the inlet on the landside (LS) toe. Concrete U-shaped headwall on the WS toe. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.53), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.53), listed as a 24-inch CMP].						
FS Date: 4/15/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62045\_60981.jpg



Headwall and flapgate on WS toe.

LM Start	<b>0.53</b>	Rating **	A/W	Issue No.	<b>7 (cont)</b>
LM End	<b>0.53</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62045\_60983.jpg



Flapgate on concrete headwall at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/05/2021 05/05/2021	Corey Fujitani

LM Start	0.53	Rating **	A/W	Issue No.	7 (cont)
LM End	0.53	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.259163 °	37.259163 °
				-120.764860 °	-120.764860 °
DWR ID	19895				

Photo 3 of 3 : UCIP\_SP\_2021\_62045\_60982.jpg



Headwall, pipe, and wier on LS toe.

LM Start	0.70	Rating **	M	Issue No.	19
LM End	0.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.261337 °	37.261337 °
				-120.763303 °	-120.763303 °
DWR ID	DWR_NA0010_07_f_2018_19				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
There is livestock damage to the landside slope.					

Photo 1 of 1 : SP\_2021\_NA0010\_125\_19\_20210308\_00007.jpg



Damage to landside slope from livestock. (Fall 2018)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/05/2021 05/05/2021	Corey Fujitani

LM Start	0.85	Rating **	M	Issue No.	8	
LM End	0.85	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.262981 °	37.262981 °	
				-120.761703 °	-120.761703 °	
DWR ID	19896					
Comment Code						
Inspector Comment						
FS_ID:62035 DS_ID:19896 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/15/2014 Need to contact owner. Heavy sediment buildup at inlet due to animal activity should be cleared. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Flap gate on the waterside (WS) end. Wooden weir on concrete headwall at the landside (LS) toe. 36-inch concrete riser at the LS toe. Concrete U-shaped headwall on the WS end. Concrete standpipe on the LS. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.86), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.85), listed as a 24-inch CMP]. FS Date: 4/15/2014						

LM Start	<b>0.85</b>	Rating **	M	Issue No.	<b>8 (cont)</b>
LM End	<b>0.85</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62035\_60986.jpg



Headwall and flapgate on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62035\_60988.jpg



Headwall and flapgate on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/05/2021 05/05/2021	Corey Fujitani

LM Start	0.94	Rating **	A/W	Issue No.	9 (cont)
LM End	0.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.263950 °	37.263950 °
				-120.760572 °	-120.760572 °
DWR ID	19897				

Photo 2 of 3 : UCIP\_SP\_2021\_62036\_60993.jpg



Concrete headwall and flapgate at WS toe.

LM Start	<b>0.94</b>	Rating **	A/W	Issue No.	<b>9 (cont)</b>
LM End	<b>0.94</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62036\_60992.jpg



Concrete headwall and pipe on LS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/05/2021 05/05/2021	Corey Fujitani

LM Start	1.17	Rating **	A/W	Issue No.	10
LM End	1.17	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.264421 °	37.264421 °
				-120.756683 °	-120.756683 °
DWR ID	19898				
Comment Code					
Inspector Comment					
FS_ID:62043 DS_ID:19898 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 14.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.17), listed as a 48-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.17), listed as a 48-inch CMP]. FS Date: 4/15/2014					

Photo 1 of 3 : UCIP\_SP\_2021\_62043\_60996.jpg



Pipe, flapgate, and headwall on WS toe.

LM Start	<b>1.17</b>	Rating **	A/W	Issue No.	<b>10 (cont)</b>
LM End	<b>1.17</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62043\_60995.jpg



Flapgate at headwall on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/05/2021 05/05/2021	Corey Fujitani

LM Start	<b>1.17</b>	Rating **	A/W	Issue No.	<b>10 (cont)</b>
LM End	<b>1.17</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.264421 °	37.264421 °
				-120.756683 °	-120.756683 °
DWR ID	19898				

Photo 3 of 3 : UCIP\_SP\_2021\_62043\_60997.jpg



Pipe and headwall on LS toe.

LM Start	1.22	Rating **	M	Issue No.	1
LM End	1.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.264387 °	37.264387 °
				-120.755805 °	-120.755805 °
DWR ID	DWR_NA0010_07_f_2012_1				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Borrows observed in the landside slope and berm.					

Photo 1 of 1 : SP\_2021\_NA0010\_125\_1\_20210308\_00001.jpg



Looking north at several rodent holes on landward slope.

LM Start	1.49	Rating **	A/W	Issue No.	16
LM End	1.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.263999 °	37.263999 °
				-120.750854 °	-120.750854 °
DWR ID	DWR_NA0010_07_f_2017_16				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Monitor the slope damaged by animal traffic.					

Photo 1 of 1 : SP\_2021\_NA0010\_125\_16\_20210308\_00004.jpg



Cattle trail on the landside slope. (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 - Spring 2021**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/05/2021 05/05/2021	Corey Fujitani

LM Start	1.50	Rating **	M	Issue No.	6
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.263955 °	37.263885 °
				-120.750751 °	-120.750527 °
DWR ID	DWR_NA0010_07_s_2014_6				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_125\_6\_20210308\_00002.jpg



Looking at typical view of rodent holes within this section. (Spring 2018)

LM Start	1.50	Rating **	A/W	Issue No.	11
LM End	1.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.263917 °	37.263917 °
				-120.750694 °	-120.750694 °
DWR ID	19902				
Comment Code					
Inspector Comment					
FS_ID:62038					
DS_ID:19902					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.51), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.51), listed as a 24-inch CMP].					
FS Date: 4/15/2014					

Photo 1 of 3 : UCIP\_SP\_2021\_62038\_61001.jpg



Pipe, headwall and flapgate on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/05/2021 05/05/2021	Corey Fujitani

LM Start	<b>1.50</b>	Rating **	A/W	Issue No.	<b>11 (cont)</b>
LM End	<b>1.50</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.263917 °	37.263917 °	
			-120.750694 °	-120.750694 °	
DWR ID	19902				

Photo 2 of 3 : UCIP\_SP\_2021\_62038\_61003.jpg



Pipe, headwall and flapgate on WS toe.

LM Start	<b>1.50</b>	Rating **	A/W	Issue No.	<b>11 (cont)</b>
LM End	<b>1.50</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62038\_61002.jpg



Headwall and pipe on LS toe.

LM Start	1.71	Rating **	M	Issue No.	5
LM End	1.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.262570 °	37.262467 °
				-120.747453 °	-120.747180 °
DWR ID	DWR_NA0010_07_s_2013_5				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/05/2021 05/05/2021	Corey Fujitani

LM Start	1.90	Rating **	M	Issue No.	21
LM End	1.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.261379 °	37.261379 °
				-120.744228 °	-120.744228 °
DWR ID	DWR_NA0010_07_f_2018_21				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_125\_21\_20210308\_00008.jpg



View of damage to the landside slope. (Fall 2020)

LM Start	2.09	Rating **	M	Issue No.	12
LM End	2.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.259187 °	37.259187 °
				-120.742551 °	-120.742551 °
DWR ID	DWR_NA0010_07_f_2018_12				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent activity is noted next to the fence post.					

Photo 1 of 1 : SP\_2021\_NA0010\_125\_12\_20210308\_00003.jpg



View of rodent hole at the fence post on the landside shoulder. (Fall 2020)

LM Start	2.37	Rating **	M	Issue No.	20
LM End	2.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.257028 °	37.257028 °
				-120.738484 °	-120.738484 °
DWR ID	DWR_NA0010_07_f_2020_20				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/05/2021 05/05/2021	Corey Fujitani

LM Start	2.48	Rating **	A/W	Issue No.	13
LM End	2.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.255803 °	37.255803 °
				-120.737246 °	-120.737246 °
DWR ID	19899				
Comment Code					
Inspector Comment					
FS_ID:62039					
DS_ID:19899					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.49), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 2.48), listed as a 24-inch CMP].					
FS Date: 4/15/2014					

Photo 1 of 3 : UCIP\_SP\_2021\_62039\_61006.jpg



Headwall and flapgate on WS toe.

LM Start	<b>2.48</b>	Rating **	A/W	Issue No.	<b>13 (cont)</b>
LM End	<b>2.48</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62039\_61008.jpg



Concrete headwall and flapgate at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/05/2021 05/05/2021	Corey Fujitani

LM Start	2.48	Rating **	A/W	Issue No.	13 (cont)
LM End	2.48	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.255803 °	37.255803 °
				-120.737246 °	-120.737246 °
DWR ID	19899				

Photo 3 of 3 : UCIP\_SP\_2021\_62039\_61007.jpg



Concrete headwall and pipe on LS toe.

LM Start	2.63	Rating **	A/W	Issue No.	14
LM End	2.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.254832 °	37.254832 °
				-120.734918 °	-120.734918 °
DWR ID	19900				

#### Comment Code

#### Inspector Comment

FS\_ID:62040  
 DS\_ID:19900  
 EP\_NO: N/A  
 Repair Type: No Action Needed  
 Crossing Status: Found  
 UCIP Comments:  
 FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.65), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 2.64), listed as a 24-inch CMP].  
 FS Date: 4/15/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62040\_61011.jpg



Concrete headwall and flapgate on WS toe.

#### \* Location

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

#### \*\* Rating

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

#### + Issue Type

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/05/2021 05/05/2021	Corey Fujitani

LM Start	<b>2.63</b>	Rating **	A/W	Issue No.	<b>14 (cont)</b>
LM End	<b>2.63</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.254832 °	37.254832 °	
			-120.734918 °	-120.734918 °	
DWR ID	19900				

Photo 2 of 3 : UCIP\_SP\_2021\_62040\_61010.jpg



Concrete headwall and flapgate on WS toe.

LM Start	<b>2.63</b>	Rating **	A/W	Issue No.	<b>14 (cont)</b>
LM End	<b>2.63</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62040\_61012.jpg



Concrete headwall and pipe at LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/05/2021 05/05/2021	Corey Fujitani

LM Start	3.09	Rating **	M	Issue No.	15	
LM End	3.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.251883 °	37.251883 °	
				-120.728264 °	-120.728264 °	
DWR ID	19901					
Comment Code						
Inspector Comment						
FS_ID:62041						
DS_ID:19901						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/15/2014 Some sediment buildup at landward toe and inside pipe--recommend clearing. (W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.09), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 3.09), listed as a 24-inch CMP].						
FS Date: 4/15/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62041\_61016.jpg



Headwall, pipe, and flapgate on WS toe.

LM Start	<b>3.09</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>3.09</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62041\_61015.jpg



Headwall, pipe, and flapgate on WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	05/05/2021 05/05/2021	Corey Fujitani

LM Start	<b>3.09</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>3.09</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.251883 °	37.251883 °
				-120.728264 °	-120.728264 °
DWR ID	19901				

Photo 3 of 3 : UCIP\_SP\_2021\_62041\_61017.jpg



Headwall and pipe on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	0.23	Rating **	A/W	Issue No.	2	
LM End	0.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.256092 °	37.256092 °	
				-120.767873 °	-120.767873 °	
DWR ID	19903					
Comment Code						
Inspector Comment						
FS_ID:62046						
DS_ID:19903						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.23), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.23), listed as a 24-inch CMP].						
FS Date: 4/16/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62046\_61068.jpg



Headwall and flapgate on WS toe.

LM Start	<b>0.23</b>	Rating **	A/W	Issue No.	<b>2 (cont)</b>
LM End	<b>0.23</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62046\_61067.jpg



Headwall and flapgate on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	<b>0.23</b>	Rating **	A/W	Issue No.	<b>2 (cont)</b>
LM End	<b>0.23</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.256092 °	37.256092 °
				-120.767873 °	-120.767873 °
DWR ID	19903				

Photo 3 of 3 : UCIP\_SP\_2021\_62046\_61069.jpg



Concrete headwall on LS toe.

LM Start	0.43	Rating **	M	Issue No.	15
LM End	0.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.257019 °	37.257019 °
				-120.764488 °	-120.764488 °
DWR ID	DWR_NA0010_08_s_2016_15				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.57	Rating **	M	Issue No.	29
LM End	0.82	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.258587 °	37.261651 °
				-120.763583 °	-120.761572 °
DWR ID	DWR_NA0010_08_s_2021_29				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	0.57	Rating **	M	Issue No.	23
LM End	0.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.258587 °	37.262263 °
				-120.763583 °	-120.760829 °
DWR ID	DWR_NA0010_08_s_2021_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_126\_23\_20210518\_00046.jpg



View of the landside slope looking downstream. (Spring 2021)

LM Start	0.57	Rating **	M	Issue No.	27
LM End	0.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.258587 °	37.262263 °
				-120.763583 °	-120.760829 °
DWR ID	DWR_NA0010_08_s_2021_27				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_126\_27\_20210518\_00045.jpg



Looking downstream along the waterside slope. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	0.57	Rating **	A/W	Issue No.	4
LM End	0.57	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.258604 °	37.258604 °
				-120.763588 °	-120.763588 °
DWR ID	19904				
Comment Code					
Inspector Comment					
FS_ID:62047 DS_ID:19904 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.55), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.57), listed as a 24-inch CMP]. FS Date: 4/16/2014					

Photo 1 of 3 : UCIP\_SP\_2021\_62047\_61073.jpg



Pipe, flapgate and headwall on WS toe.

LM Start	<b>0.57</b>	Rating **	A/W	Issue No.	<b>4 (cont)</b>
LM End	<b>0.57</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62047\_61072.jpg



Pipe, flapgate and headwall on WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	<b>0.57</b>	Rating **	A/W	Issue No.	<b>4 (cont)</b>
LM End	<b>0.57</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.258604 °	37.258604 °
				-120.763588 °	-120.763588 °
DWR ID	19904				

Photo 3 of 3 : UCIP\_SP\_2021\_62047\_61074.jpg



Pipe and headwall on LS toe.

LM Start	<b>0.72</b>	Rating **	A/W	Issue No.	<b>6</b>
LM End	<b>0.72</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.260306 °	37.260306 °
				-120.762127 °	-120.762127 °
DWR ID	19905				

**Comment Code**

**Inspector Comment**

FS\_ID:62048  
DS\_ID:19905  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments:  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.70), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.72), listed as a 24-inch CMP].  
FS Date: 4/16/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62048\_61078.jpg



Headwall and flapgate at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	<b>0.72</b>	Rating **	A/W	Issue No.	<b>6 (cont)</b>
LM End	<b>0.72</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.260306 °	37.260306 °	
			-120.762127 °	-120.762127 °	
DWR ID	19905				

Photo 2 of 3 : UCIP\_SP\_2021\_62048\_61080.jpg



Headwall and flapgate at WS toe.

LM Start	<b>0.72</b>	Rating **	A/W	Issue No.	<b>6 (cont)</b>
LM End	<b>0.72</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62048\_61079.jpg



Concrete headwall on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	0.90	Rating **	M	Issue No.	7	
LM End	0.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.262384 °		37.262384 °
				-120.760528 °		-120.760528 °
DWR ID	19832					
Comment Code						
Inspector Comment						
FS_ID:62049						
DS_ID:19832						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/16/2014 Some sediment buildup at inlet on LS toe. (W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.88), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.89), listed as a 24-inch CMP].						
FS Date: 4/16/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62049\_61084.jpg



Headwall, pipe, and flapgate on WS toe.

LM Start	<b>0.90</b>	Rating **	M	Issue No.	<b>7 (cont)</b>
LM End	<b>0.90</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62049\_61083.jpg



Headwall, pipe, and flapgate on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	<b>0.90</b>	Rating **	M	Issue No.	<b>7 (cont)</b>
LM End	<b>0.90</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.262384 °	37.262384 °
				-120.760528 °	-120.760528 °
DWR ID	19832				

Photo 3 of 3 : UCIP\_SP\_2021\_62049\_61085.jpg



Pipe and headwall on LS toe.

LM Start	1.21	Rating **	M	Issue No.	28	
LM End	1.21	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.263179 °		37.263179 °
				-120.755444 °		-120.755444 °
DWR ID	DWR_NA0010_08_f_2019_28					
Comment Code						
A2 : Repair the levee slope damaged by livestock and prevent large animal access.						
Inspector Comment						

Photo 1 of 1 : SP\_2021\_NA0010\_126\_28\_20210308\_00008.jpg

View of slope damage on the landside of the levee looking upstream.  
(Fall 2019)

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	1.21	Rating **	M	Issue No.	9	
LM End	1.21	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.263188 °		37.263188 °
				-120.755399 °		-120.755399 °
DWR ID	19833					
Comment Code						
Inspector Comment						
FS_ID:62050						
DS_ID:19833						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/16/2014 Debris blocking landward headwall--recommend clearing. (W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.20), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.21), listed as a 24-inch CMP].						
FS Date: 4/16/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62050\_61090.jpg



Concrete headwall, pipe, and flapgate on WS toe.

LM Start	1.21	Rating **	M	Issue No.	9 (cont)
LM End	1.21	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62050\_61091.jpg



Concrete headwall, pipe, and flapgate on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	<b>1.21</b>	Rating **	M	Issue No.	<b>9 (cont)</b>
LM End	<b>1.21</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.263188 °	37.263188 °
				-120.755399 °	-120.755399 °
DWR ID	19833				

Photo 3 of 3 : UCIP\_SP\_2021\_62050\_61089.jpg



Pipe and headwall on LS toe.

LM Start	1.32	Rating **	A/W	Issue No.	21
LM End	1.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.263143 °	37.263143 °
				-120.753366 °	-120.753366 °
DWR ID	DWR_NA0010_08_f_2018_21				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.38	Rating **	A/W	Issue No.	8
LM End	1.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.263175 °	37.263175 °
				-120.752307 °	-120.752307 °
DWR ID	DWR_NA0010_08_s_2013_8				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	1.38	Rating **	M	Issue No.	10
LM End	1.38	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.263194 °	37.263194 °
				-120.752299 °	-120.752299 °
DWR ID	19834				
Comment Code					
Inspector Comment					
FS_ID:62051 DS_ID:19834 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Animal burrows along pipe alignment on LS. Some sediment buildup at LS toe and inside pipe--recommend clearing. (W. Wylie -DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.37), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.38), listed as a 24-inch CMP]. FS Date: 4/16/2014					

Photo 1 of 3 : UCIP\_SP\_2021\_62051\_61094.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	<b>1.38</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>1.38</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62051\_61093.jpg



Pipe, headwall, and flapgate on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	<b>1.38</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>1.38</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.263194 °	37.263194 °
				-120.752299 °	-120.752299 °
DWR ID	19834				

Photo 3 of 3 : UCIP\_SP\_2021\_62051\_61095.jpg



Animal burrows along alignment on LS slope.

LM Start	1.61	Rating **	M	Issue No.	1
LM End	1.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.261842 °	37.261842 °
				-120.748510 °	-120.748510 °
DWR ID	DWR_NA0010_08_s_2012_1				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.81	Rating **	M	Issue No.	26	
LM End	1.81	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.260673 °		37.260673 °
				-120.745290 °		-120.745290 °
DWR ID	DWR_NA0010_08_f_2019_26					
Comment Code						
A2 : Repair the levee slope damaged by livestock and prevent large animal access.						
Inspector Comment						

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	2.01	Rating **	C	Issue No.	5
LM End	3.18	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.258410 °	37.251737 °
				-120.743412 °	-120.726246 °
DWR ID	DWR_NA0010_08_s_2016_5				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

LM Start	2.05	Rating **	M	Issue No.	11	
LM End	2.05	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.258220 °	37.258220 °	
				-120.742868 °	-120.742868 °	
DWR ID	19835					
Comment Code						
Inspector Comment						
FS_ID:62052 DS_ID:19835 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Non-functional landward inlet is buried in sediment. Need to contact owner to determine status. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.04), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 2.05), listed as a 24-inch CMP]. FS Date: 4/16/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62052\_61098.jpg



Pipe, headwall, and flapgate on Ws toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	2.05	Rating **	M	Issue No.	11 (cont)	
LM End	2.05	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.258220 °		37.258220 °
				-120.742868 °		-120.742868 °
DWR ID	19835					

Photo 2 of 3 : UCIP\_SP\_2021\_62052\_61099.jpg



Pipe and headwall buried in sediment at LS toe.

LM Start	<b>2.05</b>	Rating **	M	Issue No.	<b>11 (cont)</b>
LM End	<b>2.05</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62052\_61097.jpg



Pipe and headwall buried in sediment at LS toe.

LM Start	2.07	Rating **	M	Issue No.	25
LM End	2.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.258059 °	37.258059 °
				-120.742451 °	-120.742451 °
DWR ID	DWR_NA0010_08_f_2019_25				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	2.07	Rating **	M	Issue No.	22
LM End	2.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.258076 °	37.258076 °
				-120.742439 °	-120.742439 °
DWR ID	DWR_NA0010_08_f_2018_22				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
There is damage to the slope and shoulder from livestock.					

Photo 1 of 1 : SP\_2021\_NA0010\_126\_22\_20210308\_00006.jpg



Slope and shoulder damage from livestock. (Fall 2018)

LM Start	2.12	Rating **	M	Issue No.	12	
LM End	2.12	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.257800 °		37.257800 °
				-120.741604 °		-120.741604 °
DWR ID	19836					
Comment Code						
Inspector Comment						
FS_ID:62053 DS_ID:19836 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/16/2014 Sediment buildup in pipe visible from landward side. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.12), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 2.12), listed as a 24-inch CMP]. FS Date: 4/16/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62053\_61102.jpg



Pipe, headwall, and flapgate on WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	<b>2.12</b>	Rating **	M	Issue No.	<b>12 (cont)</b>
LM End	<b>2.12</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.257800 °	37.257800 °
				-120.741604 °	-120.741604 °
DWR ID	19836				

Photo 2 of 3 : UCIP\_SP\_2021\_62053\_61100.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	<b>2.12</b>	Rating **	M	Issue No.	<b>12 (cont)</b>
LM End	<b>2.12</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62053\_61101.jpg



Pipe and headwall on LS toe.

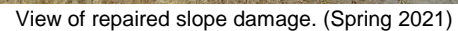
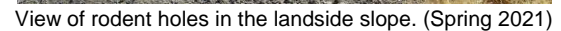
LM Start	2.13	Rating **	M	Issue No.	24
LM End	2.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.257758 °	37.257758 °
				-120.741483 °	-120.741483 °
DWR ID	DWR_NA0010_08_f_2020_24				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	2.77	Rating **	A/W	Issue No.	13
LM End	2.77	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.252228 °	37.252228 °
				-120.732890 °	-120.732890 °
DWR ID	19837				
Comment Code					
Inspector Comment					
FS_ID:62054 DS_ID:19837 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.77), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 2.77), listed as a 24-inch CMP]. FS Date: 4/16/2014					

LM Start	<b>2.77</b>	Rating **	A/W	Issue No.	<b>13 (cont)</b>
LM End	<b>2.77</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62054\_61107.jpg



Pipe, headwall, and flapgate on Ws toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62054\_61105.jpg



Pipe, headwall, and flapgate on Ws toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	2.77	Rating **	A/W	Issue No.	13 (cont)
LM End	2.77	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.252228 °	37.252228 °
				-120.732890 °	-120.732890 °
DWR ID	19837				

Photo 3 of 3 : UCIP\_SP\_2021\_62054\_61106.jpg



Pipe and headwall on LS toe.

LM Start	3.06	Rating **	M	Issue No.	14
LM End	3.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.250864 °	37.250864 °
				-120.728151 °	-120.728151 °
DWR ID	19838				

#### Comment Code

#### Inspector Comment

FS\_ID:62058  
 DS\_ID:19838  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 7/20/2016 LS inlet buried under dense vegetation. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the WS and LS slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (O. Magana - DWR UCIP)4/16/2014 Pipe blocked by silt on LS toe. Flapgate rusty and does not operate correctly. (W. Wylie - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 13.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.06), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 3.06), listed as a 36-inch CMP].  
 FS Date: 7/20/2016

Photo 1 of 3 : UCIP\_SP\_2021\_62058\_61112.jpg



Pipe, headwall, and flapgate on WS toe.

#### \* Location

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

#### \*\* Rating

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

#### + Issue Type

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	3.06	Rating **	M	Issue No.	14 (cont)	
LM End	3.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.250864 °	37.250864 °	
				-120.728151 °	-120.728151 °	
DWR ID	19838					

Photo 2 of 3 : UCIP\_SP\_2021\_62058\_61113.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	<b>3.06</b>	Rating **	M	Issue No.	<b>14 (cont)</b>
LM End	<b>3.06</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62058\_61111.jpg



Pipe and headwall on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	3.24	Rating **	A/W	Issue No.	16
LM End	3.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.252230 °	37.252230 °
				-120.725504 °	-120.725504 °
DWR ID	19839				
Comment Code					
Inspector Comment					
FS_ID:62056 DS_ID:19839 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.23), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 3.24), listed as a 24-inch CMP]. FS Date: 4/16/2014					

Photo 1 of 3 : UCIP\_SP\_2021\_62056\_61128.jpg



Pipe, flapgate, and headwall on WS toe.

LM Start	<b>3.24</b>	Rating **	A/W	Issue No.	<b>16 (cont)</b>
LM End	<b>3.24</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62056\_61127.jpg



Pipe, flapgate, and headwall on WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	<b>3.24</b>	Rating **	A/W	Issue No.	<b>16 (cont)</b>
LM End	<b>3.24</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.252230 °	37.252230 °
				-120.725504 °	-120.725504 °
DWR ID	19839				

Photo 3 of 3 : UCIP\_SP\_2021\_62056\_61129.jpg



Pipe and headwall on LS toe.

LM Start	3.40	Rating **	A/W	Issue No.	3
LM End	3.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.253052 °	37.253600 °
				-120.722647 °	-120.720198 °
DWR ID	DWR_NA0010_08_s_2012_3				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes were noted on landside slope within this reach.					

Photo 1 of 1 : SP\_2021\_NA0010\_126\_3\_20210308\_00001.jpg



Looking at typical view of rodent holes on landward slope.

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

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

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	3.43	Rating **	M	Issue No.	17
LM End	3.43	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.253151 °	37.253151 °
				-120.722182 °	-120.722182 °
DWR ID	19840				
Comment Code					
Inspector Comment					
FS_ID:62057					
DS_ID:19840					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/16/2014 No access available on landward side.					
Need to confirm status of crossing. (W. Wylie - DWR UCIP)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage					
pipe through the levee, 13 feet below the crown. Flap gate on the					
waterside (WS) end. Concrete headwall on each end. [Additional					
Reference(s): DWR Levee Log, 2002 (HLM 3.43), listed as a 24-inch					
corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit					
601 Part 1 (SJR601.1), 1967, (HLM 3.43), listed as a 24-inch CMP].					
FS Date: 4/16/2014					

Photo 1 of 3 : UCIP\_SP\_2021\_62057\_61134.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	<b>3.43</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>3.43</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62057\_61133.jpg



Pipe, headwall, and flapgate on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	05/05/2021 05/05/2021	Corey Fujitani

LM Start	3.43	Rating **	M	Issue No.	17 (cont)
LM End	3.43	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.253151 °	37.253151 °
				-120.722182 °	-120.722182 °
DWR ID	19840				

Photo 3 of 3 : UCIP\_SP\_2021\_62057\_61132.jpg



Pipe likely at drainage swale off LS toe.

LM Start	3.49	Rating **	M	Issue No.	19
LM End	3.49	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.253403 °	37.253403 °
				-120.721095 °	-120.721095 °
DWR ID	DWR_NA0010_08_f_2018_19				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_126\_19\_20210308\_00004.jpg



View of ruts forming in the levee crown. (Fall 2019)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	05/05/2021 05/05/2021	Corey Fujitani

LM Start	0.22	Rating **	A	Issue No.	5
LM End	0.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.219975 °	37.219975 °
				-120.709616 °	-120.709616 °
DWR ID	DWR_NA0010_09_s_2021_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained.					

Photo 1 of 1 : SP\_2021\_NA0010\_127\_5\_20210518\_00011.jpg



View of vegetation management on the waterside slope. (Spring 2021)

LM Start	0.47	Rating **	M	Issue No.	1	
LM End	0.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.220416 °	37.220416 °	
				-120.705248 °	-120.705248 °	
DWR ID	19841					
Comment Code						
Inspector Comment						
FS_ID:62059 DS_ID:19841 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/22/2014 Concrete headwalls on landward and waterward under water. Need photo to confirm condition of concrete headwalls, pipe, and gate on both toes. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 18.7 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.48), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.47), listed as a 24-inch CMP]. FS Date: 4/22/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62059\_62119.jpg



Slide gate in CMP riser on WS slope with outlet visible in background.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	05/05/2021 05/05/2021	Corey Fujitani

LM Start	0.47	Rating **	M	Issue No.	1 (cont)	
LM End	0.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.220416 °		37.220416 °
				-120.705248 °		-120.705248 °
DWR ID	19841					

Photo 2 of 3 : UCIP\_SP\_2021\_62059\_62117.jpg



Concrete headwall visible under water on WS toe.

LM Start	<b>0.47</b>	Rating **	M	Issue No.	<b>1 (cont)</b>
LM End	<b>0.47</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62059\_62118.jpg



Concrete headwall visible at inlet on LS toe.

LM Start	0.48	Rating **	M	Issue No.	6
LM End	0.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.220489 °	37.220489 °
				-120.705021 °	-120.705021 °
DWR ID	DWR_NA0010_09_s_2021_6				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_127\_6\_20210518\_00012.jpg



View of rodent burrows in the waterside slope. (Spring 2021)

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	05/05/2021 05/05/2021	Corey Fujitani

LM Start	0.69	Rating **	M	Issue No.	2	
LM End	0.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.219874 °	37.219874 °	
				-120.701438 °	-120.701438 °	
DWR ID	19842					
Comment Code						
Inspector Comment						
FS_ID:62060						
DS_ID:19842						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/22/2014 Animal burrows in area on LS slope.						
Minor sediment buildup in pipe visible on landward side--recommend clearing. (W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.70), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.70), listed as a 24-inch CMP].						
FS Date: 4/22/2014						

LM Start	<b>0.69</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>0.69</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62060\_62128.jpg



Headwall, flapgate, and pipe on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62060\_62132.jpg



Headwall, flapgate, and pipe on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	05/05/2021 05/05/2021	Corey Fujitani

LM Start	0.69	Rating **	M	Issue No.	2 (cont)
LM End	0.69	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.219874 °	37.219874 °
				-120.701438 °	-120.701438 °
DWR ID	19842				

Photo 3 of 3 : UCIP\_SP\_2021\_62060\_62129.jpg



Headwall and pipe on LS toe.

LM Start	0.86	Rating **	A/W	Issue No.	4
LM End	0.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.220041 °	37.220041 °
				-120.698425 °	-120.698425 °
DWR ID	DWR_NA0010_09_f_2017_4				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Material has been placed over erosion site. Monitor for settlement.					

Photo 1 of 1 : SP\_2021\_NA0010\_127\_4\_20210308\_00001.jpg



View of slope erosion due to foot traffic. (Fall 2018)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	05/05/2021 05/05/2021	Corey Fujitani

LM Start	0.87	Rating **	A/W	Issue No.	3	
LM End	0.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.220051 °	37.220051 °	
				-120.698374 °	-120.698374 °	
DWR ID	19843					
Comment Code						
Inspector Comment						
FS_ID:62061						
DS_ID:19843						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: [Crane Irrigation Structure] 24-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Two slide gates in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end. WS end cobble revetted on the bank and in the outlet drain. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.87), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.87), listed as a 24-inch CMP].						
FS Date: 4/22/2014						

LM Start	<b>0.87</b>	Rating **	A/W	Issue No.	<b>3 (cont)</b>
LM End	<b>0.87</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62061\_62134.jpg



48-inch CMP riser with slide gates on WS slope.

Photo 2 of 3 : UCIP\_SP\_2021\_62061\_62133.jpg



Inside CMP riser on WS slope.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	05/05/2021 05/05/2021	Corey Fujitani

LM Start	<b>0.87</b>	Rating **	A/W	Issue No.	<b>3 (cont)</b>
LM End	<b>0.87</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.220051 °	37.220051 °
				-120.698374 °	-120.698374 °
DWR ID	19843				

Photo 3 of 3 : UCIP\_SP\_2021\_62061\_62137.jpg



Outlet at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Owens Creek Bypass	Left	0.80	05/05/2021 05/05/2021	Corey Fujitani

LM Start	0.30	Rating **	M	Issue No.	1	
LM End	0.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.219116 °	37.219116 °	
				-120.706652 °	-120.706652 °	
DWR ID	19845					
Comment Code						
Inspector Comment						
FS_ID:62062 DS_ID:19845 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/22/2014 Inlet blocked at LS toe by wooden gate. Need to contact owner to determine status. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 19.6 feet below the crown. Slide gate in a 48- inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.31), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.31), listed as a 24-inch CMP]. FS Date: 4/22/2014						

LM Start	<b>0.30</b>	Rating **	M	Issue No.	<b>1 (cont)</b>
LM End	<b>0.30</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62062\_62144.jpg



Headwall and pipe visible on LS toe. Slide gate inside 48-inch CMP riser on WS slope.

Photo 2 of 3 : UCIP\_SP\_2021\_62062\_62146.jpg



Headwall and pipe on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Owens Creek Bypass	Left	0.80	05/05/2021 05/05/2021	Corey Fujitani

LM Start	0.30	Rating **	M	Issue No.	1 (cont)	
LM End	0.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.219116 °	37.219116 °	
				-120.706652 °	-120.706652 °	
DWR ID	19845					

Photo 3 of 3 : UCIP\_SP\_2021\_62062\_62145.jpg



Headwall and pipe on LS toe. Pipe blocked by wooden cover.

LM Start	0.46	Rating **	A	Issue No.	2
LM End	0.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.219613 °	37.219613 °
				-120.703765 °	-120.703765 °
DWR ID	DWR_NA0010_10_s_2021_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained.					

Photo 1 of 1 : SP\_2021\_NA0010\_128\_2\_20210518\_00004.jpg



View of vegetation management on the landside slope. (Spring 2021)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	05/04/2021 05/04/2021	Corey Fujitani

LM Start	0.02	Rating **	A	Issue No.	14
LM End	0.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.202739 °	37.202739 °
				-120.754827 °	-120.754827 °
DWR ID	DWR_NA0010_11_s_2021_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained.					

Photo 1 of 1 : SP\_2021\_NA0010\_129\_14\_20210518\_00030.jpg



Looking upstream along the waterside slope. (Spring 2021)

LM Start	0.16	Rating **	A/W	Issue No.	10
LM End	0.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.202730 °	37.202730 °
				-120.752270 °	-120.752270 °
DWR ID	DWR_NA0010_11_f_2018_10				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Material has been placed on levee damage. Monitor for settlement.					

Photo 1 of 1 : SP\_2021\_NA0010\_129\_10\_20210308\_00002.jpg



View of livestock damage to the landside slope. (Fall 2020)

LM Start	0.21	Rating **	A/W	Issue No.	11
LM End	0.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.202731 °	37.202731 °
				-120.751389 °	-120.751389 °
DWR ID	DWR_NA0010_11_f_2018_11				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Material has been placed on levee damage. Monitor for settlement.					

Photo 1 of 1 : SP\_2021\_NA0010\_129\_11\_20210308\_00003.jpg



View of slope damage on landside. (Fall 2018)

**\* Location**

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

**\*\* Rating**

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

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	05/04/2021 05/04/2021	Corey Fujitani

LM Start	0.21	Rating **	A/W	Issue No.	13
LM End	0.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.202731 °	37.202731 °
				-120.751389 °	-120.751389 °
DWR ID	DWR_NA0010_11_s_2020_13				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Material has been placed on levee damage. Monitor for settlement.					

Photo 1 of 1 : SP\_2021\_NA0010\_129\_13\_20210308\_00006.jpg



View of damage on waterside shoulder and slope. (Fall 2018)

LM Start	0.42	Rating **	M	Issue No.	2	
LM End	0.42	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.202754 °		37.202754 °
				-120.747689 °		-120.747689 °
DWR ID	19846					
Comment Code						
Inspector Comment						
FS_ID:62063 DS_ID:19846 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.43), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.42), listed as a 24-inch CMP]. FS Date: 4/18/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62063\_66644.jpg



View of slide gate inside CMP riser located on waterward slope.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>0.42</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>0.42</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.202754 °	37.202754 °
				-120.747689 °	-120.747689 °
DWR ID	19846				

Photo 2 of 3 : UCIP\_SP\_2021\_62063\_66643.jpg



View of levee crown at crossing.

LM Start	<b>0.42</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>0.42</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62063\_66642.jpg



View of landward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	05/04/2021 05/04/2021	Corey Fujitani

LM Start	0.65	Rating **	M	Issue No.	3	
LM End	0.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.202751 °		37.202751 °
				-120.743474 °		-120.743474 °
DWR ID	19847					
Comment Code						
Inspector Comment						
FS_ID:62064 DS_ID:19847 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.65), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.65), listed as a 24-inch CMP]. FS Date: 4/18/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62064\_61997.jpg



View of waterward side.

LM Start	<b>0.65</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>0.65</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62064\_61996.jpg



View of landward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>0.65</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>0.65</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.202751 °	37.202751 °	
			-120.743474 °	-120.743474 °	
DWR ID	19847				

Photo 3 of 3 : UCIP\_SP\_2021\_62064\_61999.jpg



Flap gate and concrete apron located on waterward side.

LM Start	<b>0.84</b>	Rating **	M	Issue No.	<b>4</b>
LM End	<b>0.84</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.202745 °	37.202745 °	
			-120.739935 °	-120.739935 °	
DWR ID	19848				

#### Comment Code

#### Inspector Comment

FS\_ID:62065  
DS\_ID:19848  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.3 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.85), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.84), listed as a 24-inch CMP].  
FS Date: 4/18/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62065\_62003.jpg



Overview of waterward side.

* 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>0.84</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>0.84</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.202745 °	37.202745 °
				-120.739935 °	-120.739935 °
DWR ID	19848				

Photo 2 of 3 : UCIP\_SP\_2021\_62065\_62002.jpg



Concrete headwall and flap gate visible on waterward side.

LM Start	<b>0.84</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>0.84</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62065\_62001.jpg



View of landward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	05/04/2021 05/04/2021	Corey Fujitani

LM Start	1.13	Rating **	M	Issue No.	5	
LM End	1.13	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.202748 °		37.202748 °
				-120.734796 °		-120.734796 °
DWR ID	19849					
Comment Code						
Inspector Comment						
FS_ID:62066						
DS_ID:19849						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.13), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.13), listed as a 24-inch CMP].						
FS Date: 4/18/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62066\_62008.jpg



View of waterward side--flap gate visible at levee toe.

LM Start	1.13	Rating **	M	Issue No.	5 (cont)
LM End	1.13	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62066\_62007.jpg



View of landward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	05/04/2021 05/04/2021	Corey Fujitani

LM Start	1.13	Rating **	M	Issue No.	5 (cont)
LM End	1.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.202748 °	37.202748 °
				-120.734796 °	-120.734796 °
DWR ID	19849				

Photo 3 of 3 : UCIP\_SP\_2021\_62066\_62006.jpg



Concrete headwall located on landward side.

LM Start	1.49	Rating **	A/W	Issue No.	9
LM End	1.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.202748 °	37.202748 °
				-120.728182 °	-120.728182 °
DWR ID	DWR_NA0010_11_f_2017_9				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_129\_9\_20210308\_00001.jpg



View of livestock trail on the landside slope. (Fall 2020)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	05/04/2021 05/04/2021	Corey Fujitani

LM Start	1.49	Rating **	M	Issue No.	6	
LM End	1.49	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.202753 °	37.202753 °	
				-120.728133 °	-120.728133 °	
DWR ID	19850					
Comment Code						
Inspector Comment						
FS_ID:62067						
DS_ID:19850						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP)						
FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 16.3 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.50), listed as a 48-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.50), listed as a 48-inch CMP].						
FS Date: 4/18/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62067\_62018.jpg



View of waterward side.

LM Start	<b>1.49</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>1.49</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62067\_62017.jpg



View of concrete headwall located on waterward side.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>1.49</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>1.49</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.202753 °	37.202753 °
				-120.728133 °	-120.728133 °
DWR ID	19850				

Photo 3 of 3 : UCIP\_SP\_2021\_62067\_62016.jpg



Inside view of pipe from waterward side--sediment build up.

LM Start	1.77	Rating **	M	Issue No.	1
LM End	1.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.202743 °	37.202743 °
				-120.723187 °	-120.723187 °
DWR ID	DWR_NA0010_11_s_2012_1				
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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	05/04/2021 05/04/2021	Corey Fujitani

LM Start	1.98	Rating **	M	Issue No.	7	
LM End	1.98	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.202740 °		37.202740 °
				-120.719247 °		-120.719247 °
DWR ID	19851					
Comment Code						
Inspector Comment						
FS_ID:62068 DS_ID:19851 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.8 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.99), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.99), listed as a 24-inch CMP]. FS Date: 4/18/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62068\_62024.jpg



View of waterward side.

LM Start	<b>1.98</b>	Rating **	M	Issue No.	<b>7 (cont)</b>
LM End	<b>1.98</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62068\_62025.jpg



Flap gate located on waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	05/04/2021 05/04/2021	Corey Fujitani

LM Start	1.98	Rating **	M	Issue No.	7 (cont)	
LM End	1.98	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.202740 °		37.202740 °
				-120.719247 °		-120.719247 °
DWR ID	19851					

Photo 3 of 3 : UCIP\_SP\_2021\_62068\_62023.jpg



View of landward side.

LM Start	2.31	Rating **	M	Issue No.	17
LM End	2.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.202730 °	37.202730 °
				-120.713368 °	-120.713368 °
DWR ID	DWR_NA0010_11_f_2019_17				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_129\_17\_20210308\_00008.jpg



Damage to the landside slope from livestock traffic. (Fall 2019)

LM Start	2.46	Rating **	A/W	Issue No.	12
LM End	2.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.202712 °	37.202712 °
				-120.710633 °	-120.710633 °
DWR ID	DWR_NA0010_11_f_2018_12				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Damage is from livestock to both landside and waterside slopes.					

Photo 1 of 2 : SP\_2021\_NA0010\_129\_12\_20210308\_00004.jpg



View of landside slope. (Fall 2018)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>3.04</b>	Rating **	M	Issue No.	<b>8 (cont)</b>
LM End	<b>3.04</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.202494 °	37.202494 °
				-120.700153 °	-120.700153 °
DWR ID	19852				

Photo 2 of 3 : UCIP\_SP\_2021\_62069\_62027.jpg



View of landward side.

LM Start	<b>3.04</b>	Rating **	M	Issue No.	<b>8 (cont)</b>
LM End	<b>3.04</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62069\_62030.jpg



Concrete headwall located on landward side--debris in front of headwall.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	05/04/2021 05/04/2021	Corey Fujitani

LM Start	0.40	Rating **	M	Issue No.	1	
LM End	0.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.200934 °	37.200934 °	
				-120.747996 °	-120.747996 °	
DWR ID	19855					
Comment Code						
Inspector Comment						
FS_ID:62072						
DS_ID:19855						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Need to contact owner. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.41), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.39), listed as a 24-inch CMP].						
FS Date: 4/18/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62072\_66647.jpg



View of waterward side.

LM Start	<b>0.40</b>	Rating **	M	Issue No.	<b>1 (cont)</b>
LM End	<b>0.40</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62072\_66649.jpg



Concrete headwall and flap gate visible on waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>0.40</b>	Rating **	M	Issue No.	<b>1 (cont)</b>
LM End	<b>0.40</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.200934 °	37.200934 °	
			-120.747996 °	-120.747996 °	
DWR ID	19855				

Photo 3 of 3 : UCIP\_SP\_2021\_62072\_66648.jpg



View of waterward side--medium grass throughout slope.

LM Start	<b>1.06</b>	Rating **	M	Issue No.	<b>2</b>
LM End	<b>1.06</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.200922 °	37.200922 °	
			-120.736012 °	-120.736012 °	
DWR ID	19856				

#### Comment Code

#### Inspector Comment

FS\_ID:62073  
 DS\_ID:19856  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.06), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.06), listed as a 24-inch CMP].  
 FS Date: 4/18/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62073\_62048.jpg



View of waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>1.06</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>1.06</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.200922 °	37.200922 °
				-120.736012 °	-120.736012 °
DWR ID	19856				

Photo 2 of 3 : UCIP\_SP\_2021\_62073\_62049.jpg



Concrete headwall and flap gate visible on waterward side.

LM Start	<b>1.06</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>1.06</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62073\_62047.jpg



View of landward side.

LM Start	1.06	Rating **	A/W	Issue No.	14
LM End	1.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.200924 °	37.200923 °
				-120.735998 °	-120.735747 °
DWR ID	DWR_NA0010_12_f_2018_14				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Damage along slope is caused by livestock cutting into the 2:1 slope.					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	05/04/2021 05/04/2021	Corey Fujitani

LM Start	1.27	Rating **	M	Issue No.	3	
LM End	1.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.200919 °	37.200919 °	
				-120.732234 °	-120.732234 °	
DWR ID	19857					
Comment Code						
Inspector Comment						
FS_ID:62074						
DS_ID:19857						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/18/2014 Landward side not accessible due to dense vegetation and fence. Concrete headwall and flap gate under water therefore not able to evaluate condition. Will need to coordinate with owner to evaluate condition of crossing on waterward side and obtain access to evaluate landward side. (O. Magana - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 17.4 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.28), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.27), listed as a 24-inch CMP].						
FS Date: 4/18/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62074\_66654.jpg



Overview of levee crown at crossing.

LM Start	<b>1.27</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>1.27</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62074\_66652.jpg



View of waterward slope.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>1.53</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>1.53</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.200913 °	37.200913 °
				-120.727496 °	-120.727496 °
DWR ID	19858				

Photo 2 of 3 : UCIP\_SP\_2021\_62075\_62061.jpg



Concrete headwall and flap gate visible on waterward side.

LM Start	<b>1.53</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>1.53</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62075\_62059.jpg



View of landward side--limited access due to fence.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	05/04/2021 05/04/2021	Corey Fujitani

LM Start	2.16	Rating **	M	Issue No.	5	
LM End	2.16	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.200908 °	37.200908 °	
				-120.716118 °	-120.716118 °	
DWR ID	19859					
Comment Code						
Inspector Comment						
FS_ID:62076 DS_ID:19859 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing vegetation from landward side--headwall blocked. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.4 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.16), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 2.16), listed as a 24-inch CMP]. FS Date: 4/18/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62076\_62064.jpg



View of waterward side.

LM Start	<b>2.16</b>	Rating **	M	Issue No.	<b>5 (cont)</b>
LM End	<b>2.16</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62076\_62063.jpg



Overview of levee crown at crossing.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>2.16</b>	Rating **	M	Issue No.	<b>5 (cont)</b>
LM End	<b>2.16</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.200908 °	37.200908 °
				-120.716118 °	-120.716118 °
DWR ID	19859				

Photo 3 of 3 : UCIP\_SP\_2021\_62076\_62062.jpg



Dense vegetation on landward side--limited access due to fence along landward side.

LM Start	<b>2.70</b>	Rating **	M	Issue No.	<b>6</b>
LM End	<b>2.70</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.200906 °	37.200906 °
				-120.706316 °	-120.706316 °
DWR ID	19860				

**Comment Code**

**Inspector Comment**

FS\_ID:62077  
 DS\_ID:19860  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.70), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 2.70), listed as a 24-inch CMP].  
 FS Date: 4/18/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62077\_62069.jpg



View of waterward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	05/04/2021 05/04/2021	Corey Fujitani

LM Start	<b>2.70</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>2.70</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.200906 °	37.200906 °
				-120.706316 °	-120.706316 °
DWR ID	19860				

Photo 2 of 3 : UCIP\_SP\_2021\_62077\_62070.jpg



Concrete headwall and flat gate located on waterward side.

LM Start	<b>2.70</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>2.70</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62077\_62068.jpg



View of landward side.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	05/04/2021 05/04/2021	Corey Fujitani

LM Start	3.00	Rating **	M	Issue No.	7	
LM End	3.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.200931 °	37.200931 °	
				-120.700908 °	-120.700908 °	
DWR ID	19861					
Comment Code						
Inspector Comment						
FS_ID:62078 DS_ID:19861 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/09/2015 DWR Inspection section confirmed issue has been addressed. Need to coordinate with LMA to determine additional details for extent of repair. (O. Magana - DWR UCIP)04/18/2014 Soil missing behind concrete headwall on waterward side. Unable to determine if missing soil is due to sink holes, rodent activity, or due to erosion. Headwall appears to be leaning slightly forward. Reason why this crossing was labelled urgent was due to the uncertainty of damage to concrete headwall and reason for soil missing behind concrete. Need to coordinate with LMA to determine more information about repair at this location. (O. Magana -DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 2 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.00), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 3.00), listed as a 24-inch CMP]. FS Date: 11/10/2015 9:29:00 AM						

LM Start	<b>3.00</b>	Rating **	M	Issue No.	<b>7 (cont)</b>
LM End	<b>3.00</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62078\_62073.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_62078\_74729.jpg



Repair to headwall located on waterward side has been addressed.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	05/04/2021 05/04/2021	Corey Fujitani

LM Start	3.00	Rating **	M	Issue No.	7 (cont)
LM End	3.00	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.200931 °	37.200931 °
				-120.700908 °	-120.700908 °
DWR ID	19861				

Photo 3 of 3 : UCIP\_SP\_2021\_62078\_62072.jpg



Side view of concrete headwall which appears to be slightly slanted forward--missing soil behind headwall.

LM Start	3.22	Rating **	A	Issue No.	9
LM End	3.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.200920 °	37.200920 °
				-120.696803 °	-120.696803 °
DWR ID	DWR_NA0010_12_s_2021_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained.					

Photo 1 of 1 : SP\_2021\_NA0010\_130\_9\_20210518\_00022.jpg



View of vegetation management on the landside slope. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	05/06/2021 05/06/2021	Corey Fujitani

LM Start	0.56	Rating **	M	Issue No.	3
LM End	0.91	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.041294 °	37.044851 °
				-120.438570 °	-120.434095 °
DWR ID	DWR_NA0010_13_s_2021_3				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_131\_3\_20210518\_00010.jpg



Looking upstream along the levee crown. (Spring 2021)

LM Start	0.97	Rating **	M	Issue No.	7
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.045216 °	37.046298 °
				-120.433199 °	-120.428175 °
DWR ID	DWR_NA0010_13_s_2021_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	05/06/2021 05/06/2021	Corey Fujitani

LM Start	1.14	Rating **	M	Issue No.	1
LM End	1.14	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.045872 °	37.045872 °	
			-120.430070 °	-120.430070 °	
DWR ID	19727				

Comment Code

Inspector Comment

FS\_ID:62080

DS\_ID:19727

EP\_NO: N/A

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: 03/27/2014 Appears abandoned and if so should be done so properly. Pipe filled with soil on WS at outlet. Actuator missing from slide gate on WS shoulder. (W. Wylie - DWR UCIP)

FIELD\_STRUCT\_DESC: [Rounder Irrigation Structure] 1 of 2: 36-inch corrugated metal gravity drainage pipe through the levee, 12.3 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. 6-foot by 12-foot concrete distribution box on the landside (LS). 7-foot by 14-foot concrete outlet structure on the WS toe. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.14), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.14), listed as a 36-inch CMP].

FS Date: 3/27/2014

LM Start	1.14	Rating **	M	Issue No.	1 (cont)
LM End	1.14	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62080\_59385.jpg



Slide gate in CMP riser on WS shoulder.

Photo 2 of 3 : UCIP\_SP\_2021\_62080\_59384.jpg



Concrete box on WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	05/06/2021 05/06/2021	Corey Fujitani

LM Start	<b>1.14</b>	Rating **	M	Issue No.	<b>1 (cont)</b>
LM End	<b>1.14</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.045872 °	37.045872 °
				-120.430070 °	-120.430070 °
DWR ID	19727				

Photo 3 of 3 : UCIP\_SP\_2021\_62080\_59389.jpg



Concrete box on WS toe.

LM Start	<b>1.14</b>	Rating **	M	Issue No.	<b>2</b>
LM End	<b>1.14</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.045870 °	37.045870 °
				-120.430080 °	-120.430080 °
DWR ID	19908				

**Comment Code**

**Inspector Comment**

FS\_ID:62081  
DS\_ID:19908  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 03/27/2014 No lid on riser at WS shoulder could be safety issue. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: [Rounder Irrigation Structure] 2 of 2: 36-inch corrugated metal gravity drainage pipe through the levee, 12.3 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. 6-foot by 12-foot concrete distribution box on the landside (LS). 7-foot by 14-foot concrete outlet structure on the WS toe. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.14), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.14), listed as a 36-inch CMP].  
FS Date: 3/27/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62081\_59390.jpg



Slide gate in CMP riser without at lid on WS shoulder.

**\* Location**

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

**\*\* Rating**

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

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	05/06/2021 05/06/2021	Corey Fujitani

LM Start	<b>1.14</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>1.14</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.045870 °	37.045870 °
				-120.430080 °	-120.430080 °
DWR ID	19908				

Photo 2 of 3 : UCIP\_SP\_2021\_62081\_59392.jpg



Concrete distribution box on WS toe.

LM Start	<b>1.14</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>1.14</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62081\_59391.jpg



Pipe at outlet on WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	05/06/2021 05/06/2021	Corey Fujitani

LM Start	0.01	Rating **	M	Issue No.	7
LM End	1.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.032557 °	37.044786 °
				-120.441201 °	-120.430250 °
DWR ID	DWR_NA0010_14_s_2021_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_132\_7\_20210518\_00010.jpg



View of the waterside slope looking downstream. (Spring 2021)

LM Start	0.25	Rating **	A/W	Issue No.	5
LM End	0.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.035841 °	37.035841 °
				-120.439795 °	-120.439795 °
DWR ID	DWR_NA0010_14_f_2017_5				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_132\_5\_20210308\_00002.jpg



Looking at the landside slope.

LM Start	0.86	Rating **	M	Issue No.	4
LM End	0.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.043183 °	37.043183 °
				-120.434323 °	-120.434323 °
DWR ID	DWR_NA0010_14_f_2018_4				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes are noted on the landside slope.					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	05/06/2021 05/06/2021	Corey Fujitani

LM Start	1.24	Rating **	M	Issue No.	79
LM End	1.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.045343 °	37.045343 °
				-120.428007 °	-120.428007 °
DWR ID	DWR_NA0010_14_s_2021_79				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes are noted on the landside at this location.					

Photo 1 of 1 : SP\_2021\_NA0010\_132\_79\_20210308\_00003.jpg



View of rodent burrows on the landside slope. (Fall 2020)

LM Start	1.26	Rating **	A/W	Issue No.	2	
LM End	1.26	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.045383 °	37.045383 °	
				-120.427754 °	-120.427754 °	
DWR ID	19910					
Comment Code						
Inspector Comment						
FS_ID:62083 DS_ID:19910 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Slide gate in a 42-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on the WS end. Pipe terminates into a concrete ditch on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.26), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.26), listed as a 36-inch CMP]. FS Date: 3/27/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62083\_59402.jpg



Concrete U-shaped headwall on Ws toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	05/06/2021 05/06/2021	Corey Fujitani

LM Start	<b>1.26</b>	Rating **	A/W	Issue No.	<b>2 (cont)</b>
LM End	<b>1.26</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.045383 °	37.045383 °
				-120.427754 °	-120.427754 °
DWR ID	19910				

Photo 2 of 3 : UCIP\_SP\_2021\_62083\_59401.jpg



slidegate in CMP riser on WS slope.

LM Start	<b>1.26</b>	Rating **	A/W	Issue No.	<b>2 (cont)</b>
LM End	<b>1.26</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62083\_59400.jpg



Inlet assumed to be within irrigation structure off LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	05/06/2021 05/06/2021	Corey Fujitani

LM Start	0.07	Rating **	M	Issue No.	4
LM End	0.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996562 °	36.996552 °
				-120.409246 °	-120.399599 °
DWR ID	DWR_NA0010_15_s_2021_4				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_133\_4\_20210518\_00012.jpg



Looking upstream along the landside slope. (Spring 2021)

LM Start	0.48	Rating **	A/W	Issue No.	1	
LM End	0.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			36.996551 °	36.996551 °	
				-120.401737 °	-120.401737 °	
DWR ID	19911					
Comment Code						
Inspector Comment						
FS_ID:62084						
DS_ID:19911						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 10.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.49), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.48), listed as a 2.5-feet by 2.5-feet RCBC].						
FS Date: 3/27/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62084\_59448.jpg



Concrete headwall on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	05/06/2021 05/06/2021	Corey Fujitani

LM Start	<b>0.48</b>	Rating **	A/W	Issue No.	<b>1 (cont)</b>
LM End	<b>0.48</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		36.996551 °	36.996551 °	
			-120.401737 °	-120.401737 °	
DWR ID	19911				

Photo 2 of 3 : UCIP\_SP\_2021\_62084\_59449.jpg



Flapgate on Concrete headwall at WS toe.

LM Start	<b>0.48</b>	Rating **	A/W	Issue No.	<b>1 (cont)</b>
LM End	<b>0.48</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62084\_59447.jpg



Concrete headwall on LS toe.

LM Start	0.60	Rating **	U	Issue No.	5
LM End	2.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996552 °	36.996594 °
				-120.399599 °	-120.374154 °
DWR ID	DWR_NA0010_15_s_2021_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_133\_5\_20210518\_00013.jpg



View of vegetation growing on the landside slope and toe. (Spring 2021)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	05/06/2021 05/06/2021	Corey Fujitani

LM Start	<b>1.00</b>	Rating **	M	Issue No.	<b>2</b>
LM End	<b>1.00</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		36.996566 °	36.996566 °	
			-120.392280 °	-120.392280 °	
DWR ID	19912				

Comment Code

Inspector Comment

FS\_ID:62085  
DS\_ID:19912  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 03/27/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end.  
[Additional Reference(s): DWR Levee Log, 2002 (HLM 1.01), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.01), listed as a 2.5-feet by 2.5-feet RCBC].  
FS Date: 3/27/2014

LM Start	<b>1.00</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>1.00</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62085\_59452.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62085\_59453.jpg



Flapgate on concrete headwall at WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	05/06/2021 05/06/2021	Corey Fujitani

LM Start	1.00	Rating **	M	Issue No.	2 (cont)	
LM End	1.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			36.996566 °	36.996566 °	
				-120.392280 °	-120.392280 °	
DWR ID	19912					

Photo 3 of 3 : UCIP\_SP\_2021\_62085\_59451.jpg



Concrete headwall on LS toe.

LM Start	1.21	Rating **	M	Issue No.	6
LM End	1.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996570 °	36.996568 °
				-120.388544 °	-120.382971 °
DWR ID	DWR_NA0010_15_s_2021_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.52	Rating **	U	Issue No.	7
LM End	2.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996570 °	36.996594 °
				-120.382936 °	-120.374154 °
DWR ID	DWR_NA0010_15_s_2021_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_133\_7\_20210518\_00014.jpg



Looking upstream along the waterside slope. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	05/06/2021 05/06/2021	Corey Fujitani

LM Start	1.53	Rating **	M	Issue No.	3	
LM End	1.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			36.996582 °	36.996582 °	
				-120.382757 °	-120.382757 °	
DWR ID	19913					
Comment Code						
Inspector Comment						
FS_ID:62086						
DS_ID:19913						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 03/27/2014 Excessive vegetation at inlet on LS toe.						
(W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete						
box gravity drainage culvert through the levee, 8.9 feet below the crown.						
Flap gate on the waterside (WS) end. Concrete headwall on the						
landside (LS) end. Concrete U-shaped headwall on the WS end.						
[Additional Reference(s): DWR Levee Log, 2002 (HLM 1.54), listed as a						
30-inch square reinforced concrete box culvert (RCBC). USACE San						
Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.53),						
listed as a 2.5-feet by 2.5-feet RCBC].						
FS Date: 3/27/2014						

LM Start	<b>1.53</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>1.53</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62086\_59456.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62086\_59457.jpg



Flapgate on concrete headwall at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	05/06/2021 05/06/2021	Corey Fujitani

LM Start	<b>1.53</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>1.53</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			36.996582 °	36.996582 °
				-120.382757 °	-120.382757 °
DWR ID	19913				

Photo 3 of 3 : UCIP\_SP\_2021\_62086\_59455.jpg



Concrete headwall on LS toe. Note excessive vegetation buildup.

LM Start	1.65	Rating **	M	Issue No.	11
LM End	1.99	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.996575 °	36.996587 °
				-120.380605 °	-120.374503 °
DWR ID	DWR_NA0010_15_s_2012_11				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					
There are several rodent holes along this section causing ruts in the crown.					

No Photos

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	05/06/2021 05/06/2021	Corey Fujitani

LM Start	<b>0.01</b>	Rating **	M	Issue No.	<b>7</b>
LM End	<b>0.37</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.995397 °	36.995426 °	
			-120.408770 °	-120.402280 °	
DWR ID	DWR_NA0010_16_s_2021_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>0.01</b>	Rating **	M	Issue No.	<b>8</b>
LM End	<b>0.20</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.995397 °	36.995417 °	
			-120.408769 °	-120.405320 °	
DWR ID	DWR_NA0010_16_s_2021_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>0.22</b>	Rating **	U	Issue No.	<b>6</b>
LM End	<b>1.95</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.995417 °	36.995497 °	
			-120.405021 °	-120.373651 °	
DWR ID	DWR_NA0010_16_s_2021_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_134\_6\_20210518\_00009.jpg



View of the waterside slope 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

## Lower San Joaquin Levee District

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	05/06/2021 05/06/2021	Corey Fujitani

LM Start	<b>1.38</b>	Rating **	A/W	Issue No.	<b>9</b>
LM End	<b>1.89</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		36.995478 °	36.995492 °	
			-120.383970 °	-120.374852 °	
DWR ID	DWR_NA0010_16_s_2019_9				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

LM Start	<b>1.41</b>	Rating **	M	Issue No.	<b>12</b>
LM End	<b>1.41</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		36.995467 °	36.995467 °	
			-120.383492 °	-120.383492 °	
DWR ID	DWR_NA0010_16_f_2019_12				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	05/06/2021 05/06/2021	Corey Fujitani

LM Start	1.44	Rating **	M	Issue No.	1
LM End	1.44	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			36.995473 °	36.995473 °
				-120.382872 °	-120.382872 °
DWR ID	19915				
Comment Code					
Inspector Comment					
FS_ID:62089 DS_ID:19915 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/01/2014 Dense vegetation buildup at landside toe--recommend clearing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 8.5 feet below the crown. Two concrete cutoff walls. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.46), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.46), listed as a 2.5-feet by 2.5-feet RCBC]. FS Date: 4/1/2014 8:12:00 AM					

LM Start	1.44	Rating **	M	Issue No.	1 (cont)
LM End	1.44	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62089\_59681.jpg



Concrete headwall on WS toe with channel.

Photo 2 of 3 : UCIP\_SP\_2021\_62089\_59680.jpg



Flapgate on headwall at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	05/06/2021 05/06/2021	Corey Fujitani

LM Start	1.44	Rating **	M	Issue No.	1 (cont)
LM End	1.44	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			36.995473 °	36.995473 °
				-120.382872 °	-120.382872 °
DWR ID	19915				

Photo 3 of 3 : UCIP\_SP\_2021\_62089\_59682.jpg



Concrete headwall on LS toe covered in vegetation/tumble weeds.

LM Start	1.68	Rating **	M	Issue No.	4
LM End	1.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.995503 °	36.995503 °
				-120.378579 °	-120.378579 °
DWR ID	DWR_NA0010_16_s_2014_4				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.77	Rating **	U	Issue No.	2
LM End	1.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.995487 °	36.995487 °
				-120.377054 °	-120.377054 °
DWR ID	DWR_NA0010_16_f_2014_2				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large rodent holes are on the landside slope.					

Photo 1 of 1 : SP\_2021\_NA0010\_134\_2\_20210308\_00001.jpg



Looking southwest at several rodent holes on landward slope.

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	05/11/2021 05/11/2021	Corey Fujitani

LM Start	0.00	Rating **	U	Issue No.	13
LM End	7.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.976437 °	36.883195 °
				-120.374709 °	-120.319412 °
DWR ID	DWR_NA0010_17_s_2021_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_135\_13\_20210518\_00035.jpg



View of the waterside slope looking upstream. (Spring 2021)

LM Start	0.00	Rating **	U	Issue No.	12
LM End	7.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.976438 °	36.883245 °
				-120.374709 °	-120.319430 °
DWR ID	DWR_NA0010_17_s_2021_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_135\_12\_20210520\_00036.jpg



View of the vegetation on the landside slope looking upstream. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	05/11/2021 05/11/2021	Corey Fujitani

LM Start	2.57	Rating **	M	Issue No.	1	
LM End	2.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			36.952254 °	36.952254 °	
				-120.348804 °	-120.348804 °	
DWR ID	19916					
Comment Code						
Inspector Comment						
FS_ID:62099 DS_ID:19916 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 48-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 14.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.58), listed as a 48-inch by 60-inch reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 2.58), listed as a 5-feet by 4-feet RCBC]. FS Date: 4/1/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62099\_59710.jpg



Concrete headwall at channel on WS toe.

LM Start	<b>2.57</b>	Rating **	M	Issue No.	<b>1 (cont)</b>
LM End	<b>2.57</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62099\_59711.jpg



Flapgate on Concrete headwall at WS toe.

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	05/11/2021 05/11/2021	Corey Fujitani

LM Start	6.51	Rating **	M	Issue No.	4
LM End	6.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.898093 °	36.895300 °
				-120.326689 °	-120.325322 °
DWR ID	DWR_NA0010_17_s_2012_4				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes are identified within this reach.					

Photo 1 of 1 : SP\_2021\_NA0010\_135\_4\_20210308\_00002.jpg



Looking at typical view of rodent holes on landward slope.

LM Start	7.27	Rating **	M	Issue No.	5
LM End	7.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.887852 °	36.886388 °
				-120.321668 °	-120.320950 °
DWR ID	DWR_NA0010_17_s_2012_5				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes are identified within this reach.					

Photo 1 of 1 : SP\_2021\_NA0010\_135\_5\_20210308\_00003.jpg



Looking at typical view of rodent holes on landward slope.

LM Start	7.62	Rating **	M	Issue No.	15
LM End	8.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.883137 °	36.868751 °
				-120.319392 °	-120.316469 °
DWR ID	DWR_NA0010_17_s_2021_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	05/11/2021 05/11/2021	Corey Fujitani

LM Start	7.63	Rating **	M	Issue No.	16
LM End	8.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.883018 °	36.868862 °
				-120.319349 °	-120.316489 °
DWR ID	DWR_NA0010_17_s_2021_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	8.15	Rating **	M	Issue No.	24
LM End	8.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.875525 °	36.875525 °
				-120.317788 °	-120.317788 °
DWR ID	DWR_NA0010_17_f_2017_24				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes are on the landside and crown of levee. Rodent holes have caused some erosion on the landside slope.					

Photo 1 of 1 : SP\_2021\_NA0010\_135\_24\_20210308\_00010.jpg



Looking east at the landside slope.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	05/11/2021 05/11/2021	Corey Fujitani

LM Start	8.37	Rating **	A/W	Issue No.	2	
LM End	8.37	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			36.872358 °	36.872358 °	
				-120.317170 °	-120.317170 °	
DWR ID	19922					
Comment Code						
Inspector Comment						
FS_ID:62092						
DS_ID:19922						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 48-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 16.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.38), listed as a 48-inch by 60-inch reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 8.38), listed as a 5-feet by 4-feet RCBC].						
FS Date: 4/1/2014						

LM Start	<b>8.37</b>	Rating **	A/W	Issue No.	<b>2 (cont)</b>
LM End	<b>8.37</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62092\_59718.jpg



Concrete headwall and channel on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62092\_59720.jpg



Flapgate on concrete headwall at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	05/11/2021 05/11/2021	Corey Fujitani

LM Start	<b>8.37</b>	Rating **	A/W	Issue No.	<b>2 (cont)</b>
LM End	<b>8.37</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			36.872358 °	36.872358 °
				-120.317170 °	-120.317170 °
DWR ID	19922				

Photo 3 of 3 : UCIP\_SP\_2021\_62092\_59719.jpg



Concrete headwall and channel on LS toe.

LM Start	9.30	Rating **	M	Issue No.	17
LM End	10.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.859125 °	36.842754 °
				-120.314596 °	-120.312684 °
DWR ID	DWR_NA0010_17_s_2021_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	9.32	Rating **	M	Issue No.	18
LM End	10.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.858854 °	36.842640 °
				-120.314544 °	-120.312551 °
DWR ID	DWR_NA0010_17_s_2021_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	05/11/2021 05/11/2021	Corey Fujitani

LM Start	9.88	Rating **	M	Issue No.	6	
LM End	9.88	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			36.850703 °	36.850703 °	
				-120.314154 °	-120.314154 °	
DWR ID	19917					
Comment Code						
Inspector Comment						
FS_ID:62093 DS_ID:19917 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 48-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 15 feet below the crown. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 9.89), listed as a 48-inch by 60-inch reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 9.89), listed as a 5-feet by 4-feet RCBC]. FS Date: 4/1/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62093\_59723.jpg



Concrete headwall and channel on WS toe.

LM Start	<b>9.88</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>9.88</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62093\_59724.jpg



Flapgate on Concrete headwall at WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	05/11/2021 05/11/2021	Corey Fujitani

LM Start	12.28	Rating **	M	Issue No.	3
LM End	12.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.821368 °	36.820843 °
				-120.300283 °	-120.300469 °
DWR ID	DWR_NA0010_17_s_2014_3				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_135\_3\_20210520\_00038.jpg



View of multiple rodent holes in the landside slope. (Spring 2021)

LM Start	13.29	Rating **	M	Issue No.	7
LM End	13.29	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			36.807509 °	36.807509 °
				-120.306231 °	-120.306231 °
DWR ID	19918				
Comment Code					
Inspector Comment					
FS_ID:62094					
DS_ID:19918					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/01/2014 Some vegetation buildup at inlet--recommend clearing. (W. Wylie - DWR UCIP)					
FIELD_STRUCT_DESC: 48-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 15.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 13.29), listed as a 48-inch by 60-inch reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 13.30), listed as a 5-feet by 4-feet RCBC].					
FS Date: 4/1/2014					

Photo 1 of 3 : UCIP\_SP\_2021\_62094\_59727.jpg



Concrete headwall on WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	05/11/2021 05/11/2021	Corey Fujitani

LM Start	<b>13.29</b>	Rating **	M	Issue No.	<b>7 (cont)</b>
LM End	<b>13.29</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			36.807509 °	36.807509 °
				-120.306231 °	-120.306231 °
DWR ID	19918				

Photo 2 of 3 : UCIP\_SP\_2021\_62094\_59726.jpg



Concrete headwall on LS toe.

LM Start	<b>13.29</b>	Rating **	M	Issue No.	<b>7 (cont)</b>
LM End	<b>13.29</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62094\_59725.jpg



Concrete headwall on LS toe. Some vegetation buildup.

LM Start	14.56	Rating **	M	Issue No.	21
LM End	15.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.790916 °	36.784080 °
				-120.301188 °	-120.295119 °
DWR ID	DWR_NA0010_17_s_2021_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	05/11/2021 05/11/2021	Corey Fujitani

LM Start	14.69	Rating **	M	Issue No.	11
LM End	14.69	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			36.789066 °	36.789066 °
				-120.300644 °	-120.300644 °
DWR ID	19920				
Comment Code					
Inspector Comment					
FS_ID:62098					
DS_ID:19920					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/01/2014 Heavy vegetation buildup at LS toe--					
recommend clearing. (W. Wylie - DWR UCIP)					
FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete					
box gravity drainage culvert through the levee, 14 feet below the crown.					
Flap gate on the waterside (WS) end. Concrete headwall on the					
landside (LS) end. Concrete U-shaped headwall on the WS end.					
[Additional Reference(s): DWR Levee Log, 2002 (HLM 14.70), listed as					
a 30-inch square reinforced concrete box culvert (RCBC). USACE San					
Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 14.69),					
listed as a 2.5-feet by 2.5-feet RCBC].					
FS Date: 4/1/2014					

LM Start	<b>14.69</b>	Rating **	M	Issue No.	<b>11 (cont)</b>
LM End	<b>14.69</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62098\_59745.jpg



Concrete headwall at WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62098\_59747.jpg



Flapgate on Concrete headwall at WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	05/11/2021 05/11/2021	Corey Fujitani

LM Start	<b>14.69</b>	Rating **	M	Issue No.	<b>11 (cont)</b>
LM End	<b>14.69</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			36.789066 °	36.789066 °
				-120.300644 °	-120.300644 °
DWR ID	19920				

Photo 3 of 3 : UCIP\_SP\_2021\_62098\_59746.jpg

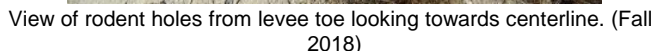
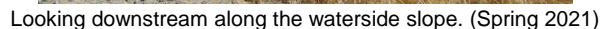
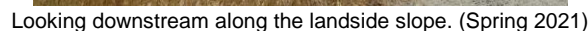


Concrete headwall at channel on LS toe. Heavy vegetation buildup.

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





**Flood Control Project Maintenance  
Levee Inspections**

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	05/12/2021 05/12/2021	Corey Fujitani

LM Start	3.48	Rating **	M	Issue No.	66
LM End	3.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.928542 °	36.928542 °
				-120.340732 °	-120.340732 °
DWR ID	DWR_NA0010_18_s_2019_66				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	3.73	Rating **	U	Issue No.	47
LM End	3.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.924969 °	36.924969 °
				-120.339407 °	-120.339407 °
DWR ID	DWR_NA0010_18_s_2020_47				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_137\_47\_20210308\_00015.jpg



Large rodent burrow in the landside slope. (Spring 2020)

LM Start	4.36	Rating **	M	Issue No.	20
LM End	4.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.916226 °	36.916226 °
				-120.336214 °	-120.336214 °
DWR ID	DWR_NA0010_18_s_2021_20				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	05/12/2021 05/12/2021	Corey Fujitani

LM Start	<b>4.69</b>	Rating **	M	Issue No.	<b>16</b>
LM End	<b>4.69</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		36.911613 °	36.911613 °	
			-120.334542 °	-120.334542 °	
DWR ID	DWR_NA0010_18_f_2017_16				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are rodent holes on the landside slope and crown.					

No Photos

LM Start	<b>4.80</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>4.80</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		36.910130 °	36.910130 °	
			-120.334002 °	-120.334002 °	
DWR ID	DWR_NA0010_18_f_2020_19				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>5.34</b>	Rating **	M	Issue No.	<b>25</b>
LM End	<b>5.34</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		36.902688 °	36.902688 °	
			-120.331282 °	-120.331282 °	
DWR ID	DWR_NA0010_18_f_2019_25				
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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	05/12/2021 05/12/2021	Corey Fujitani

LM Start	5.54	Rating **	M	Issue No.	64
LM End	5.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.899995 °	36.897624 °
				-120.329992 °	-120.328828 °
DWR ID	DWR_NA0010_18_s_2019_64				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	5.74	Rating **	U	Issue No.	15
LM End	5.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.897237 °	36.893924 °
				-120.328633 °	-120.327020 °
DWR ID	DWR_NA0010_18_f_2017_15				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are multiple large rodent holes at the landside toe.					

Photo 1 of 1 : SP\_2021\_NA0010\_137\_15\_20210308\_00008.jpg



Looking west at the landside slope. (Fall 2017)

LM Start	6.52	Rating **	M	Issue No.	9
LM End	6.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.886767 °	36.886767 °
				-120.323482 °	-120.323482 °
DWR ID	DWR_NA0010_18_f_2014_9				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Lower San Joaquin Levee District



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	05/12/2021 05/12/2021	Corey Fujitani

LM Start	8.67	Rating **	U	Issue No.	13
LM End	8.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.856115 °	36.856115 °
				-120.316595 °	-120.316595 °
DWR ID	DWR_NA0010_18_f_2017_13				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_137\_13\_20210308\_00006.jpg



Looking south at the landside slope.

LM Start	8.89	Rating **	U	Issue No.	18
LM End	8.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.852936 °	36.852936 °
				-120.316451 °	-120.316451 °
DWR ID	DWR_NA0010_18_f_2020_18				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_137\_18\_20210308\_00010.jpg



Large rodent holes in the landside slope. (Fall 2020)

LM Start	8.99	Rating **	U	Issue No.	17
LM End	8.99	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			36.851459 °	36.851459 °
				-120.316387 °	-120.316387 °
DWR ID	DWR_NA0010_18_f_2020_17				
Comment Code					
Inspector Comment					
Gate has broken off the hinges and is no longer operable.					

Photo 1 of 1 : SP\_2021\_NA0010\_137\_17\_20210520\_00031.jpg



View of damaged access gate across the levee crown. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	05/12/2021 05/12/2021	Corey Fujitani

LM Start	<b>10.95</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>10.95</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		36.828184 °	36.828184 °	
			-120.300114 °	-120.300114 °	
DWR ID	DWR_NA0010_18_s_2021_5				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>12.01</b>	Rating **	M	Issue No.	<b>27</b>
LM End	<b>12.10</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		36.813516 °	36.812350 °	
			-120.305860 °	-120.306369 °	
DWR ID	DWR_NA0010_18_f_2018_27				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are several rodent holes noted along this section.					

No Photos

LM Start	<b>14.18</b>	Rating **	M	Issue No.	<b>11</b>
LM End	<b>14.18</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		36.785107 °	36.785107 °	
			-120.300107 °	-120.300107 °	
DWR ID	DWR_NA0010_18_f_2018_11				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	05/12/2021 05/12/2021	Corey Fujitani

LM Start	14.76	Rating **	M	Issue No.	6
LM End	14.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.779886 °	36.778088 °
				-120.291918 °	-120.288920 °
DWR ID	DWR_NA0010_18_s_2021_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_137\_6\_20210520\_00032.jpg



View of vegetation on the landside slope. (Spring 2021)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	05/10/2021 05/10/2021	Corey Fujitani

LM Start	0.10	Rating **	M	Issue No.	17	
LM End	0.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.207039 °	37.207039 °	
				-120.696255 °	-120.696255 °	
DWR ID	19933					
Comment Code						
Inspector Comment						
FS_ID:62171 DS_ID:19933 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/19/2016 Gate inside riser appears operable--riser lid damage. Crossing is not visible on LS due to dense vegetation. Recommend clearing dense vegetation along WS and LS slope and repairing riser cover. (O. Magana - DWR UCIP)04/15/2014 No actuator wheel on slide gate at WS shoulder. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.8 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.10), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.10), listed as a 24-inch CMP]. FS Date: 7/19/2016						

LM Start	<b>0.10</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>0.10</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62171\_61060.jpg



PVC pipes sticking up out of channel likely indicate pipe location on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62171\_61061.jpg



Concrete headwall at toe of LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	05/10/2021 05/10/2021	Corey Fujitani

LM Start	0.10	Rating **	M	Issue No.	17 (cont)	
LM End	0.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.207039 °		37.207039 °
				-120.696255 °		-120.696255 °
DWR ID	19933					

Photo 3 of 3 : UCIP\_SP\_2021\_62171\_61059.jpg



Concrete headwall at LS toe.

LM Start	0.45	Rating **	U	Issue No.	21
LM End	1.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.211802 °	37.225553 °
				-120.697901 °	-120.700209 °
DWR ID	DWR_NA0010_22A_s_2021_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_138\_21\_20210520\_00045.jpg



Dense vegetation growing on the landside slope. (Spring 2021)

LM Start	1.04	Rating **	M	Issue No.	1
LM End	1.04	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.220281 °	37.220281 °
				-120.698287 °	-120.698287 °
DWR ID	NA0010U22RM5.47				
Comment Code					
Inspector Comment					
Site ID: NA0010U22RM5.47					
08/18/2020: No changes observed since the previous inspection.					
08/28/2019: Two erosion pockets were found at the site, close to levee shoulder, and likely caused by animal activities.					

Photo 1 of 2 : SP\_2021\_NA0010\_138\_1\_20210308\_00001.jpg



8/18/2020: View of the levee slope looking upstream.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	05/10/2021 05/10/2021	Corey Fujitani

LM Start	<b>1.04</b>	Rating **	M	Issue No.	<b>1 (cont)</b>
LM End	<b>1.04</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.220281 °	37.220281 °
				-120.698287 °	-120.698287 °
DWR ID	NA0010U22RM5.47				

Photo 2 of 2 : SP\_2021\_NA0010\_138\_1\_20210308\_00002.jpg



8/18/2020: Close-up view of one the the two erosion pockets.

LM Start	1.43	Rating **	M	Issue No.	5
LM End	2.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.225624 °	37.242154 °
				-120.700234 °	-120.706277 °
DWR ID	DWR_NA0010_22A_s_2021_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_138\_5\_20210520\_00046.jpg



View of vegetation growing on the landside slope. (Spring 2021)

LM Start	1.73	Rating **	M	Issue No.	16
LM End	1.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.229779 °	37.229779 °
				-120.701797 °	-120.701797 °
DWR ID	DWR_NA0010_22A_s_2018_16				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes are noted around the fence line.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	05/10/2021 05/10/2021	Corey Fujitani

LM Start	<b>1.77</b>	Rating **	M	Issue No.	<b>27</b>
LM End	<b>1.77</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.230436 °	37.230436 °	
			-120.701992 °	-120.701992 °	
DWR ID	DWR_NA0010_22A_f_2018_27				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>2.20</b>	Rating **	M	Issue No.	<b>29</b>
LM End	<b>2.37</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.236392 °	37.238776 °	
			-120.704165 °	-120.705028 °	
DWR ID	DWR_NA0010_22A_f_2018_29				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
There is slope erosion from livestock, the slope is no longer 3:1.					

Photo 1 of 1 : SP\_2021\_NA0010\_138\_29\_20210308\_00029.jpg



View of waterside slope from levee crown. (Fall 2018)

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	05/10/2021 05/10/2021	Corey Fujitani

LM Start	2.65	Rating **	U	Issue No.	2
LM End	2.66	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.242595 °	37.242595 °
				-120.706470 °	-120.706470 °
DWR ID	NA0010U22RM3.87				
Comment Code					
Inspector Comment					
Site ID: NA0010U22RM3.87					
08/18/2020: The site has been covered with loose fill and crushed concrete pieces. The erosion will likely worsen again during the next high water.					
09/12/2019: The erosion has cut into the levee prism and damaged almost half of the levee. The livestock traffic has likely caused the erosion.					

LM Start	<b>2.65</b>	Rating **	U	Issue No.	<b>2 (cont)</b>
LM End	<b>2.66</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP\_2021\_NA0010\_138\_2\_20210308\_00003.jpg



8/18/2020: View of the erosion looking downstream with fill and crushed concrete.

Photo 2 of 2 : SP\_2021\_NA0010\_138\_2\_20210308\_00004.jpg



8/18/2020: View of the erosion looking upstream.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	05/10/2021 05/10/2021	Corey Fujitani

LM Start	2.82	Rating **	U	Issue No.	4
LM End	2.83	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.244940 °	37.244940 °
				-120.707467 °	-120.707467 °
DWR ID	NA0010U22RM3.7				
Comment Code					
Inspector Comment					
Site ID: NA0010U22RM3.7 08/18/2020: No changes observed since the previous inspection. In some areas, the levee shoulder width is up to 8 ft. There is some crushed concrete on the levee slope. 09/12/2019: The erosion has damaged entire levee slope. The livestock traffic likely has caused the erosion.					

LM Start	<b>2.82</b>	Rating **	U	Issue No.	<b>4 (cont)</b>
LM End	<b>2.83</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP\_2021\_NA0010\_138\_4\_20210308\_00008.jpg



8/18/2020: View of the erosion looking downstream.

Photo 2 of 3 : SP\_2021\_NA0010\_138\_4\_20210308\_00009.jpg



8/18/2020: Close-up view of the erosion.

LM Start	<b>2.82</b>	Rating **	U	Issue No.	<b>4 (cont)</b>
LM End	<b>2.83</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP\_2021\_NA0010\_138\_4\_20210308\_00010.jpg



8/18/2020: View of the erosion looking downstream with crushed concrete visible on the levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	05/10/2021 05/10/2021	Corey Fujitani

LM Start	2.87	Rating **	U	Issue No.	7
LM End	2.87	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.245536 °	37.245536 °
				-120.708119 °	-120.708119 °
DWR ID	NA0010U22RM3.65				
Comment Code					
Inspector Comment					
Site ID: NA0010U22RM3.65					
08/18/2020: No vegetation visible in the area of the erosion. Noticed some crushed concrete pieces on the levee slope and a small amount of loose fill.					
09/12/2019: The erosion has damaged entire levee slope. The livestock traffic likely has caused the erosion.					

LM Start	<b>2.87</b>	Rating **	U	Issue No.	<b>7 (cont)</b>
LM End	<b>2.87</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP\_2021\_NA0010\_138\_7\_20210308\_00013.jpg



8/18/2020: View of the erosion looking upstream.

Photo 2 of 3 : SP\_2021\_NA0010\_138\_7\_20210308\_00014.jpg



8/18/2020: View of the erosion looking downstream.

LM Start	<b>2.87</b>	Rating **	U	Issue No.	<b>7 (cont)</b>
LM End	<b>2.87</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP\_2021\_NA0010\_138\_7\_20210308\_00015.jpg



9/12/2020: Close-up view of the erosion.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	05/10/2021 05/10/2021	Corey Fujitani

LM Start	2.96	Rating **	U	Issue No.	10
LM End	2.97	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.246408 °	37.246408 °
				-120.709197 °	-120.709197 °
DWR ID	NA0010U22RM3.56				
Comment Code					
Inspector Comment					
Site ID: NA0010U22RM3.56					
08/18/2020: The erosion has been covered with loose fill and crushed concrete pieces. A nearly vertical slope remains at the levee toe in some sections. The site will likely worsen again during the next high water.					
09/12/2019: The erosion has damaged entire levee slope. The livestock activity likely has caused the erosion.					

LM Start	<b>2.96</b>	Rating **	U	Issue No.	<b>10 (cont)</b>
LM End	<b>2.97</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP\_2021\_NA0010\_138\_10\_20210308\_00018.jpg



8/18/2020: View of the erosion and crushed concrete on the slope.

Photo 2 of 3 : SP\_2021\_NA0010\_138\_10\_20210308\_00019.jpg



8/18/2020: Close-up view of the erosion looking downstream.

LM Start	<b>2.96</b>	Rating **	U	Issue No.	<b>10 (cont)</b>
LM End	<b>2.97</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP\_2021\_NA0010\_138\_10\_20210308\_00020.jpg



9/12/2019: Looking down at the erosion pocket.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	05/10/2021 05/10/2021	Corey Fujitani

LM Start	3.14	Rating **	U	Issue No.	3
LM End	3.15	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.248257 °	37.248257 °
				-120.711547 °	-120.711547 °
DWR ID	NA0010U22RM3.38				
Comment Code					
Inspector Comment					
Site ID: NA0010U22RM3.38					
08/18/2020: The erosion has slightly worsened and cut into the levee prism. The site is immediately downstream of a tree on the levee toe.					
09/12/2019: The erosion has damaged the entire levee slope. Livestock activity likely has caused the erosion.					

LM Start	<b>3.14</b>	Rating **	U	Issue No.	<b>3 (cont)</b>
LM End	<b>3.15</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP\_2021\_NA0010\_138\_3\_20210308\_00005.jpg



8/18/2020: View of the erosion looking down the levee slope.

Photo 2 of 3 : SP\_2021\_NA0010\_138\_3\_20210308\_00006.jpg



8/18/2020: View of the erosion looking upstream.

LM Start	<b>3.14</b>	Rating **	U	Issue No.	<b>3 (cont)</b>
LM End	<b>3.15</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP\_2021\_NA0010\_138\_3\_20210308\_00007.jpg



8/18/2020: Close-up view of the erosion.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	05/10/2021 05/10/2021	Corey Fujitani

LM Start	4.11	Rating **	M	Issue No.	15
LM End	4.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.258353 °	37.258353 °
				-120.723824 °	-120.723824 °
DWR ID	DWR_NA0010_22A_f _ 2019_15				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_138\_15\_20210308\_00026.jpg



View of erosion in the landside slope and shoulder from livestock traffic. (Fall 2019)

LM Start	4.26	Rating **	U	Issue No.	12
LM End	4.30	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.260111 °	37.260111 °
				-120.725900 °	-120.725900 °
DWR ID	NA0010U22RM2.25				
Comment Code					
Inspector Comment					
Site ID: NA0010U22RM2.25					
08/18/2020: No changes observed since the previous inspection.					
09/12/2019: Erosion has developed into the lower levee slope. Loose material was observed at the site.					

Photo 1 of 3 : SP\_2021\_NA0010\_138\_12\_20210308\_00021.jpg



8/18/2020: Close-up view of the erosion looking downstream.

LM Start	<b>4.26</b>	Rating **	U	Issue No.	<b>12 (cont)</b>
LM End	<b>4.30</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP\_2021\_NA0010\_138\_12\_20210308\_00022.jpg



8/18/2020: Close-up view of the erosion looking upstream.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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## Lower San Joaquin Levee District

Page 13 of 14

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	05/10/2021 05/10/2021	Corey Fujitani

LM Start	5.12	Rating **	M	Issue No.	6
LM End	5.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.268236 °	37.272262 °
				-120.737210 °	-120.741778 °
DWR ID	DWR_NA0010_22A_s_2012_6				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Slope damage is caused by livestock on waterside toe.					

Photo 1 of 1 : SP\_2021\_NA0010\_138\_6\_20210308\_00012.jpg



Looking southeast at livestock erosion on waterward toe. (Fall 2020)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/11/2021 05/11/2021	Corey Fujitani

LM Start	0.01	Rating **	M	Issue No.	22
LM End	4.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.774335 °	36.783882 °
				-120.283626 °	-120.225285 °
DWR ID	DWR_NA0010_23_s_2021_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_139\_22\_20210520\_00040.jpg



View of the landside slope looking upstream. (Spring 2021)

LM Start	0.21	Rating **	M	Issue No.	2	
LM End	0.21	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			36.772713 °	36.772713 °	
				-120.280670 °	-120.280670 °	
DWR ID	19945					
Comment Code						
Inspector Comment						
FS_ID:62191 DS_ID:19945 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/03/2014 Excessive vegetation at inlet--recommend clearing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. (Plans to construct a new discharge structure and to rehabilitate one existing diversion structure to return intercepted seepage to the San Joaquin River authorized under Permit No. 13085, 1981 - Diener, Dry River Farms). [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.21), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.21), listed as a 2.5-foot by 2.5-foot RCBC] FS Date: 4/3/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62191\_59860.jpg



Concrete headwall on WS toe at channel.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/11/2021 05/11/2021	Corey Fujitani

LM Start	<b>0.21</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>0.21</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			36.772713 °	36.772713 °
				-120.280670 °	-120.280670 °
DWR ID	19945				

Photo 2 of 3 : UCIP\_SP\_2021\_62191\_59859.jpg



Flapgate on Concrete headwall at WS toe.

LM Start	<b>0.21</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>0.21</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62191\_59861.jpg



Concrete headwall at LS toe. Excess vegetation buildup at inlet.

LM Start	0.51	Rating **	M	Issue No.	27
LM End	9.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.773464 °	36.810390 °
				-120.275951 °	-120.168840 °
DWR ID	DWR_NA0010_23_s_2021_27				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/11/2021 05/11/2021	Corey Fujitani

LM Start	1.09	Rating **	M	Issue No.	26
LM End	1.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.772743 °	36.772743 °
				-120.266800 °	-120.266800 °
DWR ID	DWR_NA0010_23_f_2017_26				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Need to repair the large rodent hole on the landside slope.					

Photo 1 of 1 : SP\_2021\_NA0010\_139\_26\_20210308\_00006.jpg



Looking at the landside slope.

LM Start	1.21	Rating **	M	Issue No.	6
LM End	1.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.772973 °	36.772973 °
				-120.264768 °	-120.264768 °
DWR ID	DWR_NA0010_23_s_2013_6				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Control the growth of the elderberry bush on landside toe.					

No Photos

LM Start	1.90	Rating **	U	Issue No.	28
LM End	1.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.772731 °	36.772731 °
				-120.253590 °	-120.253590 °
DWR ID	DWR_NA0010_23_s_2021_28				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_139\_28\_20210520\_00041.jpg



View of damage to the waterside slope and shoulder. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/11/2021 05/11/2021	Corey Fujitani

LM Start	1.91	Rating **	M	Issue No.	1
LM End	1.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.772943 °	36.772943 °
				-120.253511 °	-120.253511 °
DWR ID	DWR_NA0010_23_s_2015_1				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There is a downed tree on the waterside slope.					

Photo 1 of 1 : SP\_2021\_NA0010\_139\_1\_20210308\_00001.jpg



View of fallen tree on the waterside slope. (Fall 2019)

LM Start	2.36	Rating **	M	Issue No.	47
LM End	2.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.775128 °	36.775128 °
				-120.247661 °	-120.247661 °
DWR ID	DWR_NA0010_23_s_2020_47				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	2.41	Rating **	M	Issue No.	37
LM End	2.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.774528 °	36.774528 °
				-120.247068 °	-120.247068 °
DWR ID	DWR_NA0010_23_s_2018_37				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/11/2021 05/11/2021	Corey Fujitani

LM Start	2.85	Rating **	U	Issue No.	15
LM End	2.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.771537 °	36.771537 °
				-120.240917 °	-120.240917 °
DWR ID	DWR_NA0010_23_s_2012_15				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Control the growth of the elderberry bush on landside toe. Growth encroaching over levee crown.					

No Photos

LM Start	3.30	Rating **	U	Issue No.	3
LM End	3.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.774403 °	36.774403 °
				-120.234705 °	-120.234705 °
DWR ID	DWR_NA0010_23_s_2012_3				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Control the growth of the elderberry on landside toe. Growth is encroaching on the landside slope.					

No Photos

LM Start	3.45	Rating **	M	Issue No.	9
LM End	3.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.776537 °	36.776537 °
				-120.234573 °	-120.234573 °
DWR ID	DWR_NA0010_23_s_2012_9				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Control the growth of the elderberry on landside toe and berm.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/11/2021 05/11/2021	Corey Fujitani

LM Start	4.13	Rating **	M	Issue No.	34
LM End	4.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.784217 °	36.784217 °
				-120.228876 °	-120.228876 °
DWR ID	DWR_NA0010_23_s_2018_34				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes around and within the elderberry growth.					

No Photos

LM Start	4.13	Rating **	U	Issue No.	10
LM End	4.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.784212 °	36.784212 °
				-120.228815 °	-120.228815 °
DWR ID	DWR_NA0010_23_s_2012_10				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Control the growth of the elderberry on the landside toe. Growth is encroaching on the landside slope.					

No Photos

LM Start	4.45	Rating **	U	Issue No.	11
LM End	4.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.784523 °	36.784523 °
				-120.223292 °	-120.223292 °
DWR ID	DWR_NA0010_23_s_2012_11				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Control the growth of the elderberry on the landside toe and berm.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/11/2021 05/11/2021	Corey Fujitani

LM Start	<b>4.60</b>	Rating **	M	Issue No.	<b>30</b>
LM End	<b>9.92</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.786040 °	36.810183 °	
			-120.221644 °	-120.168842 °	
DWR ID	DWR_NA0010_23_s_2021_30				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>4.85</b>	Rating **	C	Issue No.	<b>62</b>
LM End	<b>4.85</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		36.789489 °	36.789489 °	
			-120.220403 °	-120.220403 °	
DWR ID	DWR_NA0010_23_s_2019_62				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	<b>5.68</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>5.68</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		36.791981 °	36.791981 °	
			-120.206274 °	-120.206274 °	
DWR ID	DWR_NA0010_23_s_2012_5				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are several large rodent holes in this area.					

Photo 1 of 1 : SP\_2021\_NA0010\_139\_5\_20210308\_00002.jpg



Looking at several rodent holes on landside 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/11/2021 05/11/2021	Corey Fujitani

LM Start	<b>5.68</b>	Rating **	M	Issue No.	<b>12</b>
LM End	<b>5.68</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		36.791936 °	36.791936 °	
			-120.206226 °	-120.206226 °	
DWR ID	19954				

**Comment Code**

**Inspector Comment**

FS\_ID:62198  
DS\_ID:19954  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 04/03/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 36-inch by 36-inch square reinforced concrete box gravity drainage culvert through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. 5-foot-long cobble revetted outlet channel. [Additional Reference(s): DWR Levee Log, 2002 (HLM 5.71), listed as a 36-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 5.71), listed as a 3-foot by 3-foot RCBC]].  
FS Date: 4/3/2014

LM Start	<b>5.68</b>	Rating **	M	Issue No.	<b>12 (cont)</b>
LM End	<b>5.68</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62198\_59830.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62198\_59829.jpg



Flapgate on Concrete headwall on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Lower San Joaquin Levee District

Page 9 of 14

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/11/2021 05/11/2021	Corey Fujitani

LM Start	8.32	Rating **	M	Issue No.	14	
LM End	8.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			36.792476 °	36.792476 °	
				-120.181255 °	-120.181255 °	
DWR ID	19940					
Comment Code						
Inspector Comment						
FS_ID:62200 DS_ID:19940 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/03/2014 Some sediment buildup at inlet at LS toe. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 5.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.33), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 8.33), listed as a 2.5-foot by 2.5-foot RCBC] FS Date: 4/3/2014						

LM Start	<b>8.32</b>	Rating **	M	Issue No.	<b>14 (cont)</b>
LM End	<b>8.32</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62200\_59823.jpg



Flapgate on WS toe.

Photo 2 of 3 : UCIP\_SP\_2021\_62200\_59821.jpg



cocrete headwall at drainage ditch on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/11/2021 05/11/2021	Corey Fujitani

LM Start	<b>8.52</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>8.52</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		36.794108 °	36.794108 °	
			-120.178171 °	-120.178171 °	
DWR ID	19941				

Photo 2 of 3 : UCIP\_SP\_2021\_62201\_59819.jpg



Flapgate on Concrete headwall at WS toe.

LM Start	<b>8.52</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>8.52</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62201\_59818.jpg



Concrete headwall on LS toe.

LM Start	8.55	Rating **	U	Issue No.	29
LM End	8.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.794284 °	36.795288 °
				-120.177783 °	-120.176146 °
DWR ID	DWR_NA0010_23_f_2020_29				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_139\_29\_20210308\_00009.jpg

Several rodent holes observed along this section of the landside slope.  
(Fall 2020)

* 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	

## Lower San Joaquin Levee District

Looking at typical view of rodent hole on waterward shoulder.

No Photos

Depressions forming in the levee crown. (Spring 2020)

Page 13 of 14



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	05/11/2021 05/11/2021	Corey Fujitani

LM Start	9.79	Rating **	M	Issue No.	58
LM End	9.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			36.808317 °	36.808553 °
				-120.168820 °	-120.168827 °
DWR ID	DWR_NA0010_23_f_2018_58				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Woody vegetation is partially blocking crown and landside slope.					

Photo 1 of 1 : SP\_2021\_NA0010\_139\_58\_20210520\_00043.jpg



Woody vegetation on landside toe obstructing landside of crown. (Spring 2021)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	05/12/2021 05/12/2021	Corey Fujitani

LM Start	0.07	Rating **	M	Issue No.	22
LM End	7.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.772191 °	36.779554 °
				-120.284987 °	-120.199287 °
DWR ID	DWR_NA0010_24_s_2021_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_140\_22\_20210520\_00032.jpg



View of the waterside slope looking downstream. (Spring 2021)

LM Start	0.09	Rating **	M	Issue No.	26
LM End	1.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.772058 °	36.772310 °
				-120.284757 °	-120.273386 °
DWR ID	DWR_NA0010_24_s_2021_26				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.80	Rating **	M	Issue No.	6
LM End	0.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.766553 °	36.766962 °
				-120.278947 °	-120.278602 °
DWR ID	DWR_NA0010_24_s_2013_6				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are several rodent holes identified within this section.					

Photo 1 of 1 : SP\_2021\_NA0010\_140\_6\_20210308\_00001.jpg



Rodent burrows in the landside slope. (Spring 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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	05/12/2021 05/12/2021	Corey Fujitani

LM Start	<b>1.75</b>	Rating **	M	Issue No.	<b>23</b>
LM End	<b>1.75</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		36.771119 °	36.771119 °	
			-120.266173 °	-120.266173 °	
DWR ID	DWR_NA0010_24_s_2018_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	<b>2.09</b>	Rating **	M	Issue No.	<b>24</b>
LM End	<b>5.63</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.770652 °	36.783787 °	
			-120.260526 °	-120.219164 °	
DWR ID	DWR_NA0010_24_s_2021_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>2.48</b>	Rating **	M	Issue No.	<b>29</b>
LM End	<b>2.48</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		36.770007 °	36.770007 °	
			-120.254027 °	-120.254027 °	
DWR ID	DWR_NA0010_24_f_2019_29				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	05/12/2021 05/12/2021	Corey Fujitani

LM Start	3.05	Rating **	U	Issue No.	51
LM End	3.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.770146 °	36.769796 °
				-120.245703 °	-120.243035 °
DWR ID	DWR_NA0010_24_s_2019_51				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_140\_51\_20210308\_00011.jpg



View of rodent holes in landside slope. (Spring 2019)

LM Start	3.05	Rating **	M	Issue No.	31
LM End	3.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.770132 °	36.770132 °
				-120.245597 °	-120.245597 °
DWR ID	DWR_NA0010_24_f_2018_31				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are rodent holes in the waterside shoulder.					

No Photos

LM Start	3.46	Rating **	M	Issue No.	7
LM End	3.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.769345 °	36.769345 °
				-120.238370 °	-120.238370 °
DWR ID	DWR_NA0010_24_s_2012_7				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are several rodent holes on the landside slope.					

Photo 1 of 1 : SP\_2021\_NA0010\_140\_7\_20210308\_00002.jpg



Looking east at one of several rodent holes on landward slope.

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	05/12/2021 05/12/2021	Corey Fujitani

LM Start	3.53	Rating **	M	Issue No.	28
LM End	3.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.768886 °	36.768531 °
				-120.237154 °	-120.236226 °
DWR ID	DWR_NA0010_24_f_2019_28				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_140\_28\_20210308\_00009.jpg



View of rodent burrows in the landside slope. (Fall 2019)

LM Start	5.66	Rating **	M	Issue No.	20
LM End	5.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.784215 °	36.784215 °
				-120.218882 °	-120.218882 °
DWR ID	DWR_NA0010_24_f_2020_20				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_140\_20\_20210308\_00008.jpg



Rodent holes at the landside toe. (Fall 2020)

LM Start	6.72	Rating **	M	Issue No.	17
LM End	7.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.786744 °	36.779355 °
				-120.204756 °	-120.199022 °
DWR ID	DWR_NA0010_24_s_2021_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_140\_17\_20210520\_00035.jpg



View of vegetation on the landside slope looking downstream. (Spring 2021)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	05/12/2021 05/12/2021	Corey Fujitani

LM Start	7.83	Rating **	A/W	Issue No.	11
LM End	7.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			36.775271 °	36.775271 °
				-120.192400 °	-120.192400 °
DWR ID	DWR_NA0010_24_f_2019_11				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_140\_11\_20210308\_00004.jpg



Looking East down the waterside slope. (Fall 2019)

LM Start	8.33	Rating **	M	Issue No.	9	
LM End	8.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			36.778084 °	36.778084 °	
				-120.184454 °	-120.184454 °	
DWR ID	19960					
Comment Code						
Inspector Comment						
FS_ID:62218						
DS_ID:19960						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/08/2014 Barbed wire along levee shoulder--no access. Need to confirm crossing size and condition of crossing. (O. Magana - DWR UCIP)						
FIELD_STRUCT_DESC: 12-inch reinforced concrete gravity drainage pipe through the levee, 3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.33), listed as a 12-inch concrete pipe. USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 8.32), listed as a 12-inch concrete pipe]						
FS Date: 4/8/2014						

Photo 1 of 2 : UCIP\_SP\_2021\_62218\_60121.jpg



View of waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	05/12/2021 05/12/2021	Corey Fujitani

LM Start	<b>8.33</b>	Rating **	M	Issue No.	<b>9 (cont)</b>
LM End	<b>8.33</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			36.778084 °	36.778084 °
				-120.184454 °	-120.184454 °
DWR ID	19960				

Photo 2 of 2 : UCIP\_SP\_2021\_62218\_60120.jpg



View of landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	05/07/2021 05/07/2021	Corey Fujitani

LM Start	0.01	Rating **	M	Issue No.	7
LM End	2.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296129 °	37.271355 °
				-120.880745 °	-120.866710 °
DWR ID	DWR_NA0010_25_s_2021_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_141\_7\_20210520\_00020.jpg



View of the landside slope looking upstream. (Spring 2021)

LM Start	0.01	Rating **	M	Issue No.	8
LM End	2.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296129 °	37.271347 °
				-120.880745 °	-120.866706 °
DWR ID	DWR_NA0010_25_s_2021_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_141\_8\_20210520\_00021.jpg



View of vegetation along the waterside slope. (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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	05/07/2021 05/07/2021	Corey Fujitani

LM Start	0.02	Rating **	M	Issue No.	1	
LM End	0.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.296038 °	37.296038 °	
				-120.880742 °	-120.880742 °	
DWR ID	19965					
Comment Code						
Inspector Comment						
FS_ID:62225 DS_ID:19965 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend clearing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.01), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.02), listed as a 24-inch CMP] FS Date: 5/1/2014						

Photo 1 of 3 : UCIP\_SP\_2021\_62225\_67242.jpg



View of waterward side--dense vegetation on waterward side.

LM Start	<b>0.02</b>	Rating **	M	Issue No.	<b>1 (cont)</b>
LM End	<b>0.02</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2021\_62225\_67240.jpg



Pipe daylight visible on waterward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	05/07/2021 05/07/2021	Corey Fujitani

LM Start	<b>0.02</b>	Rating **	M	Issue No.	<b>1 (cont)</b>
LM End	<b>0.02</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.296038 °	37.296038 °
				-120.880742 °	-120.880742 °
DWR ID	19965				

Photo 3 of 3 : UCIP\_SP\_2021\_62225\_67241.jpg



View of landward side--dense vegetation on landward side.

LM Start	0.04	Rating **	M	Issue No.	9
LM End	0.59	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.295737 °	37.287757 °
				-120.880742 °	-120.880647 °
DWR ID	DWR_NA0010_25_s_2021_9				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	05/07/2021 05/07/2021	Corey Fujitani

LM Start	0.36	Rating **	M	Issue No.	2	
LM End	0.36	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.291173 °	37.291173 °	
				-120.880731 °	-120.880731 °	
DWR ID	19966					
Comment Code						
Inspector Comment						
FS_ID:62220						
DS_ID:19966						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope.						
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.6 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.36), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.35), listed as a 24-inch CMP].						
FS Date: 5/1/2014						

LM Start	<b>0.36</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>0.36</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62220\_67249.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_62220\_67248.jpg



Pipe outlet visible on waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	05/07/2021 05/07/2021	Corey Fujitani

LM Start	<b>0.36</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>0.36</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.291173 °	37.291173 °
				-120.880731 °	-120.880731 °
DWR ID	19966				

Photo 3 of 3 : UCIP\_SP\_2021\_62220\_67247.jpg



View of landward side.

LM Start	<b>0.59</b>	Rating **	M	Issue No.	<b>3</b>
LM End	<b>0.59</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.287744 °	37.287744 °
				-120.880645 °	-120.880645 °
DWR ID	19967				

#### Comment Code

#### Inspector Comment

FS\_ID:62221  
DS\_ID:19967  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.7 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.58), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1, (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.59), listed as a 24-inch CMP].  
FS Date: 5/1/2014

Photo 1 of 3 : UCIP\_SP\_2021\_62221\_67250.jpg



Overview of waterward side--Salt Slough.

#### \* Location

LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

#### \*\* Rating

A : Acceptable N : Not Inspected/Rated  
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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	05/07/2021 05/07/2021	Corey Fujitani

LM Start	<b>0.59</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>0.59</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.287744 °	37.287744 °
				-120.880645 °	-120.880645 °
DWR ID	19967				

Photo 2 of 3 : UCIP\_SP\_2021\_62221\_67251.jpg



View of waterward slope covered by dense vegetation.

LM Start	<b>0.59</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>0.59</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62221\_67252.jpg



Pipe and flap gate visible on waterward side.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
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 - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	05/07/2021 05/07/2021	Corey Fujitani

LM Start	0.97	Rating **	M	Issue No.	4	
LM End	0.97	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.282252 °	37.282252 °	
				-120.880738 °	-120.880738 °	
DWR ID	19968					
Comment Code						
Inspector Comment						
FS_ID:62222						
DS_ID:19968						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope.						
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.4 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.97), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.97), listed as a 24-inch CMP]						
FS Date: 5/1/2014						

LM Start	<b>0.97</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>0.97</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62222\_67256.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2021\_62222\_67255.jpg



Pipe and evidence of flap gate visible on waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	05/07/2021 05/07/2021	Corey Fujitani

LM Start	0.97	Rating **	M	Issue No.	4 (cont)	
LM End	0.97	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.282252 °	37.282252 °	
				-120.880738 °	-120.880738 °	
DWR ID	19968					

Photo 3 of 3 : UCIP\_SP\_2021\_62222\_67254.jpg



View of landward side.

LM Start	1.00	Rating **	M	Issue No.	13
LM End	2.48	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.281791 °	37.271226 °
				-120.880747 °	-120.866655 °
DWR ID	DWR_NA0010_25_s_2018_13				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

Photo 1 of 1 : SP\_2021\_NA0010\_141\_13\_20210308\_00001.jpg



Rutting in the levee crown. (Fall 2020)

LM Start	1.86	Rating **	A/W	Issue No.	14
LM End	1.86	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.280055 °	37.280055 °
				-120.867177 °	-120.867177 °
DWR ID	DWR_NA0010_25_f_2019_14				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	05/07/2021 05/07/2021	Corey Fujitani

LM Start	2.05	Rating **	M	Issue No.	5	
LM End	2.05	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.277390 °	37.277390 °	
				-120.867184 °	-120.867184 °	
DWR ID	19969					
Comment Code						
Inspector Comment						
FS_ID:62223						
DS_ID:19969						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope.						
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 4 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.05), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 2.05), listed as a 24-inch CMP]						
FS Date: 5/1/2014						

LM Start	<b>2.05</b>	Rating **	M	Issue No.	<b>5 (cont)</b>
LM End	<b>2.05</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2021\_62223\_67259.jpg



View of landward side.

Photo 2 of 3 : UCIP\_SP\_2021\_62223\_67260.jpg



View of waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Lower San Joaquin Levee District



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2021

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	05/07/2021 05/07/2021	Corey Fujitani

LM Start	<b>2.45</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>2.45</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.271599 °	37.271599 °
				-120.866819 °	-120.866819 °
DWR ID	19970				

Photo 2 of 3 : UCIP\_SP\_2021\_62224\_67269.jpg



Pipe daylights at waterward toe.

LM Start	<b>2.45</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>2.45</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2021\_62224\_67268.jpg



View of landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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