

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	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	03/26/2019 03/26/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	1185	
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:39091 DS_ID:19650 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.02)]. FS Date: 4/8/2014 7:34:00 AM						

Photo 1 of 3 : UCIP\_SP\_2019\_39091\_60601.jpg



Flapgate on WS toe.

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>1185 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39091\_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 M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : 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	03/26/2019 03/26/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	1185 (cont)	
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:39091 DS_ID:19650 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.02)]. FS Date: 4/8/2014 7:34:00 AM						

Photo 3 of 3 : UCIP\_SP\_2019\_39091\_60602.jpg



Headwall on LS toe.

LM Start	0.00	Rating **	C	Issue No.	103
LM End	0.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.348628 °	37.344727 °
				-120.958830 °	-120.962173 °
DWR ID	DWR_NA0010_01_f_2018_103				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Dense vegetation along waterside slope					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	0.00	Rating **	C	Issue No.	101
LM End	0.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.348627 °	37.344775 °
				-120.958830 °	-120.962151 °
DWR ID	DWR_NA0010_01_f_2018_101				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Dense vegetation on landside slope an toe					

No Photos

LM Start	0.07	Rating **	C	Issue No.	1
LM End	0.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.347999 °	37.346096 °
				-120.959840 °	-120.961455 °
DWR ID	DWR_NA0010_01_s_2012_1				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Typical view of several rodent holes on landward slope.Could not see rodent holes due to dense vegetation.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	0.34	Rating **	M	Issue No.	1186 (cont)	
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:39092 DS_ID:19651 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.35)]. FS Date: 4/8/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39092\_60612.jpg



Pipe and headwall visible off LS toe.

LM Start	0.60	Rating **	M	Issue No.	1187
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:39095 DS_ID:19583 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Recommend removing vegetation pile 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.62)]. FS Date: 4/8/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39095\_60622.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

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	0.60	Rating **	M	Issue No.	1187 (cont)	
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:39095 DS_ID:19583 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Recommend removing vegetation pile 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.62)]. FS Date: 4/8/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39095\_60623.jpg



Flapgate and headwall visible on WS toe.

LM Start	<b>0.60</b>	Rating **	M	Issue No.	<b>1187 (cont)</b>
LM End	<b>0.60</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39095\_60621.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	03/26/2019 03/26/2019	Corey Fujitani

LM Start	0.85	Rating **	A/W	Issue No.	1188
LM End	0.85	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				
Comment Code					
Inspector Comment					
FS_ID:33524					
DS_ID:19584					
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. 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.87)].					
FS Date: 4/8/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_33524\_60627.jpg



Pipe, flapgate, and headwall visible on WS toe.

LM Start	<b>0.85</b>	Rating **	A/W	Issue No.	<b>1188 (cont)</b>
LM End	<b>0.85</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_33524\_60626.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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### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	0.85	Rating **	A/W	Issue No.	1188 (cont)	
LM End	0.85	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					
Comment Code						
Inspector Comment						
FS_ID:33524						
DS_ID:19584						
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. 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. USACE						
San Joaquin O&M Manual 601.1, 1967, (HLM 0.87)].						
FS Date: 4/8/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_33524\_60625.jpg



Pipe and headwall visible on LS toe.

LM Start	0.93	Rating **	M	Issue No.	1189	
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:39096						
DS_ID:19585						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 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. (DWR UCIP - W. Wylie)						
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. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.95)].						
FS Date: 4/8/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39096\_60632.jpg



Flapgate, pipe, and headwall on WS toe.

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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	0.93	Rating **	M	Issue No.	1189 (cont)	
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:39096 DS_ID:19585 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - W. Wylie) 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. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.95)]. FS Date: 4/8/2014						

LM Start	<b>0.93</b>	Rating **	M	Issue No.	<b>1189 (cont)</b>
LM End	<b>0.93</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39096\_60631.jpg



Concrete headwall and pipe visible at LS toe.

Photo 3 of 3 : UCIP\_SP\_2019\_39096\_60633.jpg



Flapgate, pipe, 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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### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	1.15	Rating **	A/W	Issue No.	1190
LM End	1.15	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				
Comment Code					
Inspector Comment					
FS_ID:33543					
DS_ID:19586					
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, 7.5 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.17)].					
FS Date: 4/8/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_33543\_60642.jpg



Pipe, headwall, and flapgate visible on WS toe.

LM Start	<b>1.15</b>	Rating **	A/W	Issue No.	<b>1190 (cont)</b>
LM End	<b>1.15</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_33543\_60643.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	03/26/2019 03/26/2019	Corey Fujitani

LM Start	1.32	Rating **	A/W	Issue No.	1191 (cont)	
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:33544 DS_ID:19587 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, 12.8 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.34)]. FS Date: 4/8/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_33544\_60648.jpg



Concrete headwall and flapgate visible at WS toe.

LM Start	<b>1.32</b>	Rating **	A/W	Issue No.	<b>1191 (cont)</b>
LM End	<b>1.32</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_33544\_60647.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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Levee Inspections**

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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	03/26/2019 03/26/2019	Corey Fujitani

LM Start	1.46	Rating **	M	Issue No.	1192	
LM End	1.46	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					
Comment Code						
Inspector Comment						
FS_ID:39099						
DS_ID:19588						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/08/2014 Some sediment buildup inside pipe at LS toe. Recommend contacting owner to clear sediment buildup and check wall integrity through pipe section. (DWR UCIP - W. Wylie)						
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. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.48)].						
FS Date: 4/8/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39099\_60652.jpg



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

LM Start	<b>1.46</b>	Rating **	M	Issue No.	<b>1192 (cont)</b>
LM End	<b>1.46</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39099\_60653.jpg



Pipe, flapgate, and concrete 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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	1.46	Rating **	M	Issue No.	1192 (cont)	
LM End	1.46	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					
Comment Code						
Inspector Comment						
FS_ID:39099						
DS_ID:19588						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/08/2014 Some sediment buildup inside pipe at LS toe. Recommend contacting owner to clear sediment buildup and check wall integrity through pipe section. (DWR UCIP - W. Wylie)						
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. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.48)].						
FS Date: 4/8/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39099\_60651.jpg



Pipe and concrete headwall visible on LS toe.

LM Start	1.67	Rating **	M	Issue No.	1193
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:33563 DS_ID:19589 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.69)]. FS Date: 4/8/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_33563\_60661.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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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	1.67	Rating **	M	Issue No.	1193 (cont)	
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:33563						
DS_ID:19589						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.69)].						
FS Date: 4/8/2014						

LM Start	<b>1.67</b>	Rating **	M	Issue No.	<b>1193 (cont)</b>
LM End	<b>1.67</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_33563\_60663.jpg



Pipe, headwall, and flapgate visible on WS toe.

Photo 3 of 3 : UCIP\_SP\_2019\_33563\_60662.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	1.81	Rating **	A/W	Issue No.	1194	
LM End	1.81	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					
Comment Code						
Inspector Comment						
FS_ID:33564						
DS_ID:19590						
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, 14.2 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.83)].						
FS Date: 4/8/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_33564\_60666.jpg



Pipe, flapgate, and headwall visible at WS toe.

LM Start	<b>1.81</b>	Rating **	A/W	Issue No.	<b>1194 (cont)</b>
LM End	<b>1.81</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_33564\_60667.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	1.81	Rating **	A/W	Issue No.	1194 (cont)	
LM End	1.81	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					
Comment Code						
Inspector Comment						
FS_ID:33564						
DS_ID:19590						
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, 14.2 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.83)].						
FS Date: 4/8/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_33564\_60665.jpg



Pipe and concrete headwall visible at LS toe.

LM Start	1.95	Rating **	M	Issue No.	1195	
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:39100 DS_ID:19591 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Need to contact owner to determine crossing status. Inlet drop box silted in and needs to be cleaned out. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.98)]. FS Date: 4/8/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39100\_60670.jpg



Concrete headwall and flapgate on WS toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	1.95	Rating **	M	Issue No.	1195 (cont)	
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:39100						
DS_ID:19591						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/08/2014 Need to contact owner to determine crossing status. Inlet drop box silted in and needs to be cleaned out. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.98)].						
FS Date: 4/8/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39100\_60672.jpg



Pipe, flapgate, and headwall on WS toe.

LM Start	<b>1.95</b>	Rating **	M	Issue No.	<b>1195 (cont)</b>
LM End	<b>1.95</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39100\_60671.jpg



Wooded barrier around drop-inlet on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	2.06	Rating **	M	Issue No.	1196	
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:39123 DS_ID:19570 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Unable to find inlet on landward toe. Recommend clearing vegetation on landward side to properly inspect inlet. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.08)]. FS Date: 4/8/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39123\_60675.jpg



Pipe and flapgate visible on WS toe.

LM Start	<b>2.06</b>	Rating **	M	Issue No.	<b>1196 (cont)</b>
LM End	<b>2.06</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39123\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	2.06	Rating **	M	Issue No.	1196 (cont)	
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:39123 DS_ID:19570 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Unable to find inlet on landward toe. Recommend clearing vegetation on landward side to properly inspect inlet. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.08)]. FS Date: 4/8/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39123\_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 2 : SP\_2019\_NA0010\_118\_110\_20190307\_00028.jpg



View of tree stump on 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	2.20	Rating **	N	Issue No.	110 (cont)	
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 2 of 2 : SP\_2019\_NA0010\_118\_110\_20190307\_00029.jpg



View of tree stump on landside slope. (Fall 2018)

LM Start	2.22	Rating **	A/W	Issue No.	1197
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:39125					
DS_ID:19571					
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, 12.6 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.25)].					
FS Date: 4/8/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39125\_71309.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	2.22	Rating **	A/W	Issue No.	1197 (cont)	
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:39125 DS_ID:19571 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, 12.6 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.25)]. FS Date: 4/8/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39125\_71308.jpg



Pipe and headwall on LS toe.

LM Start	<b>2.22</b>	Rating **	A/W	Issue No.	<b>1197 (cont)</b>
LM End	<b>2.22</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39125\_71307.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	2.50	Rating **	A/W	Issue No.	1198
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				
Comment Code					
Inspector Comment					
FS_ID:33568					
DS_ID:19572					
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, 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. USACE					
San Joaquin O&M Manual 601.1, 1967, (HLM 2.52)].					
FS Date: 4/8/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_33568\_60679.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	<b>2.50</b>	Rating **	A/W	Issue No.	<b>1198 (cont)</b>
LM End	<b>2.50</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_33568\_60680.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	2.50	Rating **	A/W	Issue No.	1198 (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					
Comment Code						
Inspector Comment						
FS_ID:33568						
DS_ID:19572						
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, 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. USACE						
San Joaquin O&M Manual 601.1, 1967, (HLM 2.52)].						
FS Date: 4/8/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_33568\_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					
damage caused by vehicle traffic over the levee.					

Photo 1 of 1 : SP\_2019\_NA0010\_118\_113\_20190307\_00031.jpg



Erosion caused by vehicle 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	2.67	Rating **	M	Issue No.	1199	
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:39127 DS_ID:19573 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Sedimentation in pipe at landward toe. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.70)]. FS Date: 4/8/2014						

LM Start	<b>2.67</b>	Rating **	M	Issue No.	<b>1199 (cont)</b>
LM End	<b>2.67</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_39127\_60688.jpg



Pipe, flapgate, and headwall on WS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_39127\_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		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	2.67	Rating **	M	Issue No.	1199 (cont)
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:39127 DS_ID:19573 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Sedimentation in pipe at landward toe. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.70)]. FS Date: 4/8/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_39127\_60687.jpg



Pipe and headwall on LS toe.

LM Start	2.99	Rating **	M	Issue No.	114
LM End	2.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.323328 °	37.323328 °
				-120.929521 °	-120.929521 °
DWR ID	DWR_NA0010_01_f_2018_114				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Slope damage caused by livestock.					

Photo 1 of 1 : SP\_2019\_NA0010\_118\_114\_20190307\_00032.jpg



View of slope damage caused by 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

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	Slope Stability			37.322499 °	37.322499 °
				-120.928986 °	-120.928986 °
DWR ID	DWR_NA0010_01_f_2017_104				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Slope damage caused by foot traffic.					

Photo 1 of 1 : SP\_2019\_NA0010\_118\_104\_20190307\_00021.jpg



Looking northeast at the landside slope. (Fall 2017)

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	Slope Stability			37.321903 °	37.321903 °
				-120.928748 °	-120.928748 °
DWR ID	DWR_NA0010_01_f_2018_115				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Damage caused by foot traffic.					

Photo 1 of 2 : SP\_2019\_NA0010\_118\_115\_20190307\_00033.jpg



View of erosion path looking downstream. (Fall 2018)

LM Start	<b>3.10</b>	Rating **	M	Issue No.	<b>115 (cont)</b>
LM End	<b>3.10</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_118\_115\_20190307\_00034.jpg



View of erosion path looking down 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	3.11	Rating **	M	Issue No.	108
LM End	3.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.321704 °	37.321704 °
				-120.928749 °	-120.928749 °
DWR ID	DWR_NA0010_01_s_2017_108				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Slope damage caused by animal traffic on landside toe.					

Photo 1 of 1 : SP\_2019\_NA0010\_118\_108\_20190307\_00023.jpg



Looking west at slope damage caused by animal traffic.

LM Start	3.13	Rating **	M	Issue No.	1200
LM End	3.13	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:39128 DS_ID:19574 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Some minor erosion around headwall on LS toe. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.16)]. FS Date: 4/8/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39128\_60702.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	3.13	Rating **	M	Issue No.	1200 (cont)	
LM End	3.13	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:39128 DS_ID:19574 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Some minor erosion around headwall on LS toe. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.16)]. FS Date: 4/8/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39128\_60700.jpg



Pipe, Flapgate, and headwall on WS toe.

LM Start	<b>3.13</b>	Rating **	M	Issue No.	<b>1200 (cont)</b>
LM End	<b>3.13</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39128\_60701.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	3.16	Rating **	M	Issue No.	98
LM End	3.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.321061 °	37.310887 °
				-120.928808 °	-120.926251 °
DWR ID	DWR_NA0010_01_s_2019_98				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_118\_98\_20190402\_00284.jpg



View of landside slope looking upstream. (Spring 2019)

LM Start	3.16	Rating **	M	Issue No.	99
LM End	8.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.321061 °	37.296420 °
				-120.928808 °	-120.859409 °
DWR ID	DWR_NA0010_01_s_2019_99				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_118\_99\_20190402\_00285.jpg



View of waterside slope looking upstream. (Spring 2019)

LM Start	3.16	Rating **	M	Issue No.	10
LM End	3.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.321053 °	37.321053 °
				-120.928785 °	-120.928785 °
DWR ID	DWR_NA0010_01_s_2012_10				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes noted within this section. Rodent hole noted on waterside shoulder next to fence pole.					

Photo 1 of 2 : SP\_2019\_NA0010\_118\_10\_20190307\_00010.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 M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	3.16	Rating **	M	Issue No.	10 (cont)	
LM End	3.16	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.321053 °		37.321053 °
				-120.928785 °		-120.928785 °
DWR ID	DWR_NA0010_01_s_2012_10					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
Several rodent holes noted within this section. Rodent hole noted on waterside shoulder next to fence pole.						

Photo 2 of 2 : SP\_2019\_NA0010\_118\_10\_20190307\_00011.jpg



Looking at rodent hole next to fence pole on landward shoulder.

LM Start	3.18	Rating **	M	Issue No.	116
LM End	3.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.320725 °	37.320725 °
				-120.928837 °	-120.928837 °
DWR ID	DWR_NA0010_01_f_2018_116				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes noted in this section.					

Photo 1 of 2 : SP\_2019\_NA0010\_118\_116\_20190307\_00035.jpg



View of landside slope with rodent holes. (Fall 2018)

LM Start	<b>3.18</b>	Rating **	M	Issue No.	<b>116 (cont)</b>
LM End	<b>3.18</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_118\_116\_20190307\_00036.jpg



Representative view of rodent holes in this section. (Fall 2018)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	3.26	Rating **	C	Issue No.	109
LM End	3.29	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.319740 °	37.319300 °
				-120.928308 °	-120.927903 °
DWR ID	DWR_NA0010_01_s_2017_109				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Depression (sinkhole) on levee crown and other depressions					

No Photos

LM Start	3.47	Rating **	U	Issue No.	1201	
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:53188 DS_ID:19575 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana)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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.50)]. FS Date: 11/1/2018 12:49:00 PM						

Photo 1 of 3 : UCIP\_SP\_2019\_53188\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	3.47	Rating **	U	Issue No.	1201 (cont)	
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:53188 DS_ID:19575 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana)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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.50)]. FS Date: 11/1/2018 12:49:00 PM						

Photo 2 of 3 : UCIP\_SP\_2019\_53188\_60706.jpg



Pipe and headwall on LS toe.

LM Start	<b>3.47</b>	Rating **	U	Issue No.	<b>1201 (cont)</b>
LM End	<b>3.47</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_53188\_60705.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	3.70	Rating **	M	Issue No.	2
LM End	3.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.313892 °	37.311341 °
				-120.926507 °	-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 along this section of the levee					

No Photos

LM Start	4.09	Rating **	M	Issue No.	100
LM End	7.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.309601 °	37.298553 °
				-120.924897 °	-120.871703 °
DWR ID	DWR_NA0010_01_s_2019_100				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_118\_100\_20190402\_00286.jpg



View of vegetation on landside slope looking upstream. (Spring 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	4.13	Rating **	M	Issue No.	1204	
LM End	4.13	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:39134 DS_ID:19607 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.16)]. FS Date: 4/8/2014						

LM Start	<b>4.13</b>	Rating **	M	Issue No.	<b>1204 (cont)</b>
LM End	<b>4.13</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_39134\_60730.jpg



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

Photo 2 of 3 : UCIP\_SP\_2019\_39134\_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	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	4.13	Rating **	M	Issue No.	1204 (cont)	
LM End	4.13	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:39134						
DS_ID:19607						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 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. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.16)].						
FS Date: 4/8/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39134\_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					
Several rodent holes noted 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	4.25	Rating **	M	Issue No.	1206
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:39140 DS_ID:19608 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.27)]. FS Date: 4/8/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39140\_60733.jpg



Pipe, flapgate, and headwall visible at WS toe.

LM Start	<b>4.25</b>	Rating **	M	Issue No.	<b>1206 (cont)</b>
LM End	<b>4.25</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39140\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	4.25	Rating **	M	Issue No.	1206 (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					
Comment Code						
Inspector Comment						
FS_ID:39140 DS_ID:19608 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.27)]. FS Date: 4/8/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39140\_60734.jpg



Concrete headwall at LS toe.

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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	4.69	Rating **	M	Issue No.	1207 (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					
Comment Code						
Inspector Comment						
FS_ID:39141 DS_ID:19609 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.72)]. FS Date: 4/8/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39141\_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	Erosion / Bank Caving			37.302398 °	37.302398 °
				-120.920920 °	-120.920920 °
DWR ID	DWR_NA0010_01_s_2013_9				
Comment Code					
Inspector Comment					
Levee landside toe damaged by livestock.					

Photo 1 of 3 : SP\_2019\_NA0010\_118\_9\_20190307\_00007.jpg



Looking south at fill poorly placed on landward slope and toe. (Spring 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	4.69	Rating **	A/W	Issue No.	9 (cont)	
LM End	4.69	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.302398 °	37.302398 °	
				-120.920920 °	-120.920920 °	
DWR ID	DWR_NA0010_01_s_2013_9					
Comment Code						
Inspector Comment						
Levee landside toe damaged by livestock.						

Photo 2 of 3 : SP\_2019\_NA0010\_118\_9\_20190307\_00008.jpg



Looking south at landside.

LM Start	<b>4.69</b>	Rating **	A/W	Issue No.	<b>9 (cont)</b>
LM End	<b>4.69</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP\_2019\_NA0010\_118\_9\_20190307\_00009.jpg



Looking at landward slope damaged by livestock.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	5.02	Rating **	M	Issue No.	1208	
LM End	5.02	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:39143 DS_ID:19610 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/08/2014 Non-functional -- sediment buildup against flapgate and inlet buried at landward side. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.05)]. FS Date: 4/8/2014						

Photo 1 of 2 : UCIP\_SP\_2019\_39143\_60740.jpg



Flapgate and headwall visible at WS toe.

LM Start	<b>5.02</b>	Rating **	M	Issue No.	<b>1208 (cont)</b>
LM End	<b>5.02</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_SP\_2019\_39143\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	5.92	Rating **	M	Issue No.	1209
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:39151  
DS\_ID:19611  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 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. (DWR UCIP - W. Wylie)  
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.95)].  
FS Date: 4/8/2014

LM Start	<b>5.92</b>	Rating **	M	Issue No.	<b>1209 (cont)</b>
LM End	<b>5.92</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP\_SP\_2019\_39151\_60742.jpg



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

Photo 2 of 2 : UCIP\_SP\_2019\_39151\_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 N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	6.10	Rating **	M	Issue No.	1210	
LM End	6.10	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:39152 DS_ID:19612 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.13)]. FS Date: 4/8/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39152\_60745.jpg



Slidegate at LS toe.

LM Start	<b>6.10</b>	Rating **	M	Issue No.	<b>1210 (cont)</b>
LM End	<b>6.10</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39152\_60744.jpg



Pipe, concrete headwall, slidegate, and metal walkway 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	6.61	Rating **	M	Issue No.	1212	
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:49962 DS_ID:19614 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/19/2016 Same as previous inspection. Outlet and inlet are under water. (DWR UCIP - O. Magana)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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.64)]. FS Date: 7/19/2016						

LM Start	<b>6.61</b>	Rating **	M	Issue No.	<b>1212 (cont)</b>
LM End	<b>6.61</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_49962\_60764.jpg



Pipe and flapgate visible on WS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_49962\_60766.jpg



Pipe and flapgate visible at WS toe. Flapgate blocked by sedimentation 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	6.61	Rating **	M	Issue No.	1212 (cont)	
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:49962 DS_ID:19614 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/19/2016 Same as previous inspection. Outlet and inlet are under water. (DWR UCIP - O. Magana)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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.64)]. FS Date: 7/19/2016						

Photo 3 of 3 : UCIP\_SP\_2019\_49962\_60765.jpg



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

<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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	6.86	Rating **	M	Issue No.	1213	
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:50077 DS_ID:19615 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/19/2016 Potential LS slope damage--difficult to determine due to dense vegetation. Limited access on WS toe due to wire fence. (DWR UCIP - O. Magana)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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.90)]. FS Date: 7/19/2016						

LM Start	<b>6.86</b>	Rating **	M	Issue No.	<b>1213 (cont)</b>
LM End	<b>6.86</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_50077\_60768.jpg



Pipe, headwall, and flapgate on WS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_50077\_60767.jpg



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

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

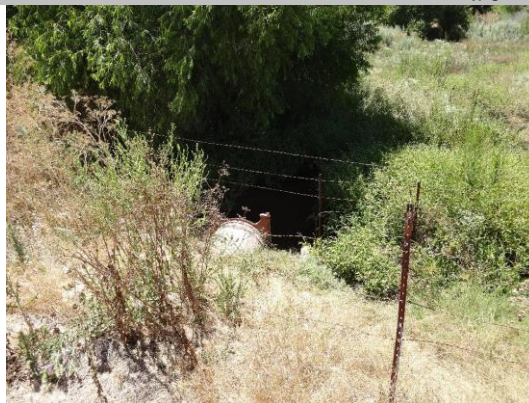
**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	6.86	Rating **	M	Issue No.	1213 (cont)	
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:50077 DS_ID:19615 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 7/19/2016 Potential LS slope damage--difficult to determine due to dense vegetation. Limited access on WS toe due to wire fence. (DWR UCIP - O. Magana)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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.90)]. FS Date: 7/19/2016						

Photo 3 of 3 : UCIP\_SP\_2019\_50077\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	7.18	Rating **	U	Issue No.	1214
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:53412 DS_ID:19616 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.21)]. FS Date: 11/1/2018 1:02:00 PM					

LM Start	7.18	Rating **	U	Issue No.	1214 (cont)
LM End	7.18	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_53412\_60770.jpg



Pipe, concrete headwall, and flapgate on WS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_53412\_60772.jpg



Flapgate and concrete headwall on WS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : 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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	7.18	Rating **	U	Issue No.	1214 (cont)	
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:53412 DS_ID:19616 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.21)]. FS Date: 11/1/2018 1:02:00 PM						

Photo 3 of 3 : UCIP\_SP\_2019\_53412\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	7.42	Rating **	M	Issue No.	1216
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:39161 DS_ID:19618 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.46)]. FS Date: 4/8/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39161\_60778.jpg



Pipe and flapgate visible on WS toe.

LM Start	<b>7.42</b>	Rating **	M	Issue No.	<b>1216 (cont)</b>
LM End	<b>7.42</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39161\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	7.42	Rating **	M	Issue No.	1216 (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					
Comment Code						
Inspector Comment						
FS_ID:39161 DS_ID:19618 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.46)]. FS Date: 4/8/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39161\_60779.jpg



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

LM Start	7.65	Rating **	M	Issue No.	1217	
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:39243						
DS_ID:19619						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 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. (DWR UCIP - W. Wylie)						
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. USACE						
San Joaquin O&M Manual 601.1, 1967, (HLM 7.69)].						
FS Date: 4/8/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39243\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	8.03	Rating **	M	Issue No.	1218	
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:39244 DS_ID:19620 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 slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.07)]. FS Date: 4/9/2014						

LM Start	<b>8.03</b>	Rating **	M	Issue No.	<b>1218 (cont)</b>
LM End	<b>8.03</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_39244\_60844.jpg



Pipe, Headwall, and flapgate at WS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_39244\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	8.03	Rating **	M	Issue No.	1218 (cont)	
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:39244						
DS_ID:19620						
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 slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.07)].						
FS Date: 4/9/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39244\_60846.jpg



Pipe and concrete headwall on LS toe.

LM Start	8.38	Rating **	M	Issue No.	1219	
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					
Comment Code						
Inspector Comment						
FS_ID:39245 DS_ID:19621 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 slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup at landward toe. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.41)]. FS Date: 4/9/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39245\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	8.38	Rating **	M	Issue No.	1219 (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					
Comment Code						
Inspector Comment						
FS_ID:39245						
DS_ID:19621						
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 slope.						
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup at landward toe. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.41)].						
FS Date: 4/9/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39245\_60848.jpg



Concrete headwall, pipe, and flapgate at WS toe.

LM Start	<b>8.38</b>	Rating **	M	Issue No.	<b>1219 (cont)</b>
LM End	<b>8.38</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39245\_60849.jpg



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

<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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

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					
rodent holes observed along this section					

No Photos

LM Start	8.57	Rating **	A/W	Issue No.	1220
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:39246					
DS_ID:19622					
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. Brass cap No. 80 bench mark (BM) on the headwall on the					
landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE					
San Joaquin O&M Manual 601.1, 1967, (HLM 8.61)].					
FS Date: 4/9/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39246\_60854.jpg



Pipe, Flapgate, and headwall on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	8.57	Rating **	A/W	Issue No.	1220 (cont)	
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:39246						
DS_ID:19622						
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. Brass cap No. 80 bench mark (BM) on the headwall on the						
landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE						
San Joaquin O&M Manual 601.1, 1967, (HLM 8.61)].						
FS Date: 4/9/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39246\_60855.jpg



Pipe, Flapgate, and headwall on WS toe.

LM Start	<b>8.57</b>	Rating **	A/W	Issue No.	<b>1220 (cont)</b>
LM End	<b>8.57</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39246\_60853.jpg



Pipe and headwall at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	8.89	Rating **	M	Issue No.	1221 (cont)	
LM End	8.89	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					
Comment Code						
Inspector Comment						
FS_ID:39247 DS_ID:19623 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 slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.1 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.93)]. FS Date: 4/9/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39247\_60858.jpg



Pipe and headwall visible on LS toe.

LM Start	8.97	Rating **	M	Issue No.	1223	
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:39249 DS_ID:19625 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 slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Some sediment buildup in pipe. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.00)]. FS Date: 4/9/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39249\_60870.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	8.97	Rating **	M	Issue No.	1223 (cont)	
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:39249						
DS_ID:19625						
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 slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Some sediment buildup in pipe. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.00)].						
FS Date: 4/9/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39249\_60869.jpg



Pipe and flapgate visible on WS toe.

LM Start	<b>8.97</b>	Rating **	M	Issue No.	<b>1223 (cont)</b>
LM End	<b>8.97</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39249\_60868.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	8.99	Rating **	U	Issue No.	6
LM End	9.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.297497 °	37.295138 °
				-120.851068 °	-120.840857 °
DWR ID	DWR_NA0010_01_s_2017_6				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation along landside slope.					

LM Start	<b>8.99</b>	Rating **	U	Issue No.	<b>6 (cont)</b>
LM End	<b>9.61</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : SP\_2019\_NA0010\_118\_6\_20190307\_00004.jpg



Looking upstream at vegetation along landside slope. (Fall 2018)

Photo 2 of 3 : SP\_2019\_NA0010\_118\_6\_20190307\_00005.jpg



Looking downstream at vegetation along landside slope. (Fall 2018)

Photo 3 of 3 : SP\_2019\_NA0010\_118\_6\_20190307\_00006.jpg



Looking south at dense veg on landward slope.

LM Start	<b>8.99</b>	Rating **	U	Issue No.	<b>6 (cont)</b>
LM End	<b>9.61</b>	Issue Type +	Ma	Location *	LS

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	8.99	Rating **	U	Issue No.	92
LM End	9.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.297497 °	37.294588 °
				-120.851068 °	-120.840390 °
DWR ID	DWR_NA0010_01_s_2017_92				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation along waterside slope.					

Photo 1 of 2 : SP\_2019\_NA0010\_118\_92\_20190307\_00015.jpg



Looking upstream along waterside slope. (Fall 2018)

LM Start	<b>8.99</b>	Rating **	U	Issue No.	<b>92 (cont)</b>
LM End	<b>9.66</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2019\_NA0010\_118\_92\_20190307\_00016.jpg



Looking southwest at dense veg on waterward 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	9.34	Rating **	M	Issue No.	1225
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:39251					
DS_ID:19627					
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 slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.37)].					
FS Date: 4/9/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39251\_60875.jpg



Pipe and flapgate on WS toe.

LM Start	<b>9.34</b>	Rating **	M	Issue No.	<b>1225 (cont)</b>
LM End	<b>9.34</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39251\_60876.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	9.34	Rating **	M	Issue No.	1225 (cont)	
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:39251						
DS_ID:19627						
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 slope.						
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.37)].						
FS Date: 4/9/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39251\_60874.jpg



Concrete drop-inlet installed on pipe at LS toe.

LM Start	9.64	Rating **	A/W	Issue No.	1226	
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:33683						
DS_ID:19628						
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, 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.67)].						
FS Date: 4/9/2014						

Photo 1 of 1 : UCIP\_SP\_2019\_33683\_60880.jpg



Pipe, 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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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	9.89	Rating **	A/W	Issue No.	112
LM End	9.90	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.291796 °	37.291581 °
				-120.839497 °	-120.839718 °
DWR ID	DWR_NA0010_01_f_2017_112				
Comment Code					
Inspector Comment					
Landowner degraded levee in the 1970's because Water on LS was flooding his property. Landowner has prevented efforts to restore levee. LMA has stated that no water from the waterside of the levee has ever backed up through the degraded levee and caused flooding.					

Photo 1 of 1 : SP\_2019\_NA0010\_118\_112\_20190307\_00030.jpg



Looking south at the levee bank caving. (Fall 2017)

LM Start	9.94	Rating **	U	Issue No.	120
LM End	9.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.290994 °	37.290673 °
				-120.839758 °	-120.839988 °
DWR ID	DWR_NA0010_01_f_2018_120				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent burrows observed in this section with large amount of material displaced.					

Photo 1 of 2 : SP\_2019\_NA0010\_118\_120\_20190307\_00039.jpg



Representative view of rodent burrow. (Fall 2018)

LM Start	<b>9.94</b>	Rating **	U	Issue No.	<b>120 (cont)</b>
LM End	<b>9.97</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_118\_120\_20190307\_00040.jpg



View of another rodent burrow. (Fall 2018)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	9.94	Rating **	M	Issue No.	111
LM End	10.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.290991 °	37.283752 °
				-120.839754 °	-120.833588 °
DWR ID	DWR_NA0010_01_s_2019_111				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_118\_111\_20190402\_00287.jpg



View of vegetation along landside slope looking upstream. (Spring 2019)

LM Start	9.97	Rating **	U	Issue No.	131
LM End	10.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.290563 °	37.284409 °
				-120.840067 °	-120.836056 °
DWR ID	DWR_NA0010_01_s_2019_131				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_118\_131\_20190402\_00292.jpg



View of waterside slope looking upstream. (Spring 2019)

LM Start	9.99	Rating **	M	Issue No.	121
LM End	9.99	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

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	10.20	Rating **	M	Issue No.	1227
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:39253 DS_ID:19629 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 10.23)]. FS Date: 4/9/2014					

LM Start	<b>10.20</b>	Rating **	M	Issue No.	<b>1227 (cont)</b>
LM End	<b>10.20</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_39253\_60884.jpg



Pipe, headwall, and flapgate on WS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_39253\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	10.20	Rating **	M	Issue No.	1227 (cont)	
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:39253 DS_ID:19629 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 10.23)]. FS Date: 4/9/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39253\_60885.jpg



Pipe and headwall at LS toe.

LM Start	10.26	Rating **	C	Issue No.	124
LM End	10.49	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.286597 °	37.284613 °
				-120.839919 °	-120.836802 °
DWR ID	DWR_NA0010_01_f_2018_124				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
vegetation growth on levee crown should be maintained					

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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	10.68	Rating **	A/W	Issue No.	1228
LM End	10.68	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				
Comment Code					
Inspector Comment					
FS_ID:33687 DS_ID:19630 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. Flap gate on the waterside (WS) end. Brass cap No. 68 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 10.72)]. FS Date: 4/9/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_33687\_60890.jpg



Pipe and flapgate on Ws toe.

LM Start	<b>10.68</b>	Rating **	A/W	Issue No.	<b>1228 (cont)</b>
LM End	<b>10.68</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_33687\_60889.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	10.68	Rating **	A/W	Issue No.	1228 (cont)	
LM End	10.68	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					
Comment Code						
Inspector Comment						
FS_ID:33687						
DS_ID:19630						
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. Flap gate on the waterside						
(WS) end. Brass cap No. 68 bench mark (BM) on the headwall on the						
landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE						
San Joaquin O&M Manual 601.1, 1967, (HLM 10.72)].						
FS Date: 4/9/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_33687\_60888.jpg



Pipe and headwall on LS toe.

LM Start	10.69	Rating **	A/W	Issue No.	1229
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:39254					
DS_ID:19631					
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. 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. USACE					
San Joaquin O&M Manual 601.1, 1967, (HLM 10.72)].					
FS Date: 4/9/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39254\_60894.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	10.69	Rating **	A/W	Issue No.	1229 (cont)
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:39254					
DS_ID:19631					
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. 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. USACE					
San Joaquin O&M Manual 601.1, 1967, (HLM 10.72)].					
FS Date: 4/9/2014					

Photo 2 of 3 : UCIP\_SP\_2019\_39254\_60893.jpg



Headwall, pipe, and flapgate on WS toe.

LM Start	<b>10.69</b>	Rating **	A/W	Issue No.	<b>1229 (cont)</b>
LM End	<b>10.69</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39254\_60895.jpg



Concrete 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	10.98	Rating **	M	Issue No.	1230	
LM End	10.98	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					
Comment Code						
Inspector Comment						
FS_ID:39255 DS_ID:19632 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/09/2014 Dense vegetation blocks landward headwall. Recommend removing excess vegetation on landward toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 66 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.00)]. FS Date: 4/9/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39255\_60897.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	<b>10.98</b>	Rating **	M	Issue No.	<b>1230 (cont)</b>
LM End	<b>10.98</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39255\_60899.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	10.98	Rating **	M	Issue No.	1230 (cont)
LM End	10.98	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				
Comment Code					
Inspector Comment					
FS_ID:39255 DS_ID:19632 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/09/2014 Dense vegetation blocks landward headwall. Recommend removing excess vegetation on landward toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 66 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.00)]. FS Date: 4/9/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_39255\_60898.jpg



Pipe and headwall on LS toe.

LM Start	11.14	Rating **	A/W	Issue No.	1231
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				
Comment Code					
Inspector Comment					
FS_ID:33690					
DS_ID:19633					
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, 5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 65 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.18)].					
FS Date: 4/9/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_33690\_60903.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                      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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	11.14	Rating **	A/W	Issue No.	1231 (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					
Comment Code						
Inspector Comment						
FS_ID:33690 DS_ID:19633 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, 5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 65 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.18)]. FS Date: 4/9/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_33690\_60902.jpg



Pipe and headwall at LS toe.

LM Start	11.14	Rating **	A/W	Issue No.	1231 (cont)
LM End	11.14	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_33690\_60901.jpg



Pipe and headwall at LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	11.37	Rating **	A/W	Issue No.	1232
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:47100 DS_ID:19814 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 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: 4/18/2014					

No Photos

LM Start	11.49	Rating **	M	Issue No.	1233
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:36103 DS_ID:19634 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.48)]. FS Date: 4/25/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36103\_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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	11.49	Rating **	M	Issue No.	1233 (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					
Comment Code						
Inspector Comment						
FS_ID:36103 DS_ID:19634 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.48)]. FS Date: 4/25/2014						

LM Start	<b>11.49</b>	Rating **	M	Issue No.	<b>1233 (cont)</b>
LM End	<b>11.49</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36103\_65364.jpg



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

Photo 3 of 3 : UCIP\_SP\_2019\_36103\_65363.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	11.53	Rating **	C	Issue No.	125
LM End	11.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.273187 °	37.272274 °
				-120.825648 °	-120.825839 °
DWR ID	DWR_NA0010_01_f_2018_125				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
dense brush partially obstructing view of landside slope.					

No Photos

LM Start	11.62	Rating **	M	Issue No.	132
LM End	11.62	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

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	11.78	Rating **	M	Issue No.	1234	
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:36105 DS_ID:19635 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.76)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36105\_65372.jpg



View of waterward side.

LM Start	11.78	Rating **	M	Issue No.	1234 (cont)
LM End	11.78	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36105\_65371.jpg



Landward side of crossing buried--damage pipe section 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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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	11.78	Rating **	M	Issue No.	1234 (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					
Comment Code						
Inspector Comment						
FS_ID:36105 DS_ID:19635 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.76)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36105\_65373.jpg



View of landward side.

LM Start	12.03	Rating **	C	Issue No.	126
LM End	12.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.266582 °	37.263752 °
				-120.826336 °	-120.827306 °
DWR ID	DWR_NA0010_01_f_2018_126				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
dense brush partially obstructing view of landside slope.					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	12.12	Rating **	M	Issue No.	1235
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:36106 DS_ID:19636 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 12.11)]. FS Date: 4/25/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36106\_65378.jpg



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

LM Start	12.12	Rating **	M	Issue No.	1235 (cont)
LM End	12.12	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36106\_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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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	12.12	Rating **	M	Issue No.	1235 (cont)	
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:36106 DS_ID:19636 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 12.11)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36106\_65377.jpg



View of landward side.

LM Start	12.62	Rating **	U	Issue No.	127
LM End	17.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.258951 °	37.216002 °
				-120.826387 °	-120.779165 °
DWR ID	DWR_NA0010_01_f_2018_127				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_118\_127\_20190402\_00288.jpg



View of landside slope looking upstream. (Spring 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	12.62	Rating **	U	Issue No.	133
LM End	17.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee	GPS Latitude/Longitude			
		Start		End	
Item	Vegetation	37.258950 °		37.216003 °	
		-120.826387 °		-120.779165 °	
DWR ID	DWR_NA0010_01_s_2019_133				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_118\_133\_20190402\_00289.jpg



View of waterside slope looking upstream. (Spring 2019)

LM Start	12.95	Rating **	M	Issue No.	1236	
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					
Comment Code						
Inspector Comment						
FS_ID:36146 DS_ID:19637 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Concrete headwall on landward side blocked by debris. 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 crossing. (DWR UCIP - O. Magana) 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. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 12.94)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36146\_65412.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	12.95	Rating **	M	Issue No.	1236 (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					
Comment Code						
Inspector Comment						
FS_ID:36146						
DS_ID:19637						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/25/2014 Concrete headwall on landward side blocked by debris. 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 crossing. (DWR UCIP - O. Magana)						
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. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 12.94)].						
FS Date: 4/25/2014						

LM Start	<b>12.95</b>	Rating **	M	Issue No.	<b>1236 (cont)</b>
LM End	<b>12.95</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36146\_65411.jpg



Flap gate and concrete headwall visible on waterward side.

Photo 3 of 3 : UCIP\_SP\_2019\_36146\_65410.jpg



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

<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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	13.49	Rating **	M	Issue No.	1237
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:36109 DS_ID:19638 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.48)]. FS Date: 4/25/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36109\_65389.jpg



View of waterward side.

LM Start	13.49	Rating **	M	Issue No.	1237 (cont)
LM End	13.49	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36109\_65387.jpg



View of flap gate and pipe through levee 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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	13.49	Rating **	M	Issue No.	1237 (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				
Comment Code					
Inspector Comment					
FS_ID:36109					
DS_ID:19638					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 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. (DWR UCIP - O. Magana)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.48)].					
FS Date: 4/25/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_36109\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	13.59	Rating **	M	Issue No.	1238	
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:39256 DS_ID:19639 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.58)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39256\_65418.jpg



View of waterward side.

LM Start	<b>13.59</b>	Rating **	M	Issue No.	<b>1238 (cont)</b>
LM End	<b>13.59</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39256\_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	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	13.59	Rating **	M	Issue No.	1238 (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					
Comment Code						
Inspector Comment						
FS_ID:39256 DS_ID:19639 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.58)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39256\_65416.jpg



Concrete headwall visible from 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	14.22	Rating **	M	Issue No.	1240
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:36166 DS_ID:19641 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 14.21)]. FS Date: 4/25/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36166\_65449.jpg



View of waterward side.

LM Start	14.22	Rating **	M	Issue No.	1240 (cont)
LM End	14.22	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36166\_65452.jpg



View of concrete headwall, concrete apron, 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	14.22	Rating **	M	Issue No.	1240 (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					
Comment Code						
Inspector Comment						
FS_ID:36166 DS_ID:19641 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 14.21)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36166\_65448.jpg



View of landward side.

LM Start	14.65	Rating **	M	Issue No.	1241
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:36167					
DS_ID:19642					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 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. (DWR UCIP - O. Magana)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 14.65)].					
FS Date: 4/25/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36167\_65455.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	14.65	Rating **	M	Issue No.	1241 (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					
Comment Code						
Inspector Comment						
FS_ID:36167 DS_ID:19642 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 14.65)]. FS Date: 4/25/2014						

LM Start	<b>14.65</b>	Rating **	M	Issue No.	<b>1241 (cont)</b>
LM End	<b>14.65</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36167\_65454.jpg



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

Photo 3 of 3 : UCIP\_SP\_2019\_36167\_65453.jpg



Concrete headwall located on landward toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	15.29	Rating **	M	Issue No.	1242
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:36168 DS_ID:19643 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.29)]. FS Date: 4/25/2014					

LM Start	15.29	Rating **	M	Issue No.	1242 (cont)
LM End	15.29	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_36168\_65459.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2019\_36168\_65457.jpg



Concrete headwall, flap gate, and concrete apron 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	15.29	Rating **	M	Issue No.	1242 (cont)	
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:36168 DS_ID:19643 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.29)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36168\_65458.jpg



View of landward side.

LM Start	15.58	Rating **	M	Issue No.	1243	
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:36169 DS_ID:19644 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.57)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36169\_65464.jpg



View of waterward side--flap gate visible through 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	15.58	Rating **	M	Issue No.	1243 (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				
Comment Code					
Inspector Comment					
FS_ID:36169 DS_ID:19644 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.57)]. FS Date: 4/25/2014					

Photo 2 of 3 : UCIP\_SP\_2019\_36169\_65463.jpg



View of waterward slope covered by dense vegetation.

LM Start	<b>15.58</b>	Rating **	M	Issue No.	<b>1243 (cont)</b>
LM End	<b>15.58</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_36169\_65462.jpg



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

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	15.82	Rating **	M	Issue No.	1244	
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					
Comment Code						
Inspector Comment						
FS_ID:36171 DS_ID:19645 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.81)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36171\_65471.jpg



View of waterward side.

LM Start	<b>15.82</b>	Rating **	M	Issue No.	<b>1244 (cont)</b>
LM End	<b>15.82</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36171\_65470.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	15.82	Rating **	M	Issue No.	1244 (cont)
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				
Comment Code					
Inspector Comment					
FS_ID:36171 DS_ID:19645 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.81)]. FS Date: 4/25/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_36171\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	16.09	Rating **	M	Issue No.	1245	
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					
Comment Code						
Inspector Comment						
FS_ID:36172 DS_ID:19646 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 16.09)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36172\_65476.jpg



View of waterward side.

LM Start	<b>16.09</b>	Rating **	M	Issue No.	<b>1245 (cont)</b>
LM End	<b>16.09</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36172\_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	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	16.09	Rating **	M	Issue No.	1245 (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				
Comment Code					
Inspector Comment					
FS_ID:36172 DS_ID:19646 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 16.09)]. FS Date: 4/25/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_36172\_65474.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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	16.15	Rating **	M	Issue No.	1246
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:39257  
DS\_ID:19647  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 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. (DWR UCIP - O. Magana)  
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 16.15)].  
FS Date: 4/25/2014

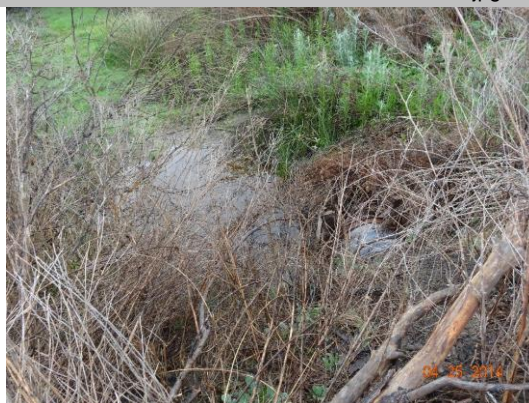
LM Start	16.15	Rating **	M	Issue No.	1246 (cont)
LM End	16.15	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_39257\_65480.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2019\_39257\_65479.jpg



Crossing visible on waterward side under 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	16.15	Rating **	M	Issue No.	1246 (cont)
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:39257 DS_ID:19647 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 16.15)]. FS Date: 4/25/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_39257\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	16.72	Rating **	M	Issue No.	1247
LM End	16.72	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:39258 DS_ID:19648 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 16.72)]. FS Date: 4/25/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39258\_66288.jpg



View of levee crown at crossing.

LM Start	16.72	Rating **	M	Issue No.	1247 (cont)
LM End	16.72	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39258\_66289.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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	16.72	Rating **	M	Issue No.	1247 (cont)
LM End	16.72	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:39258 DS_ID:19648 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 16.72)]. FS Date: 4/25/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_39258\_66287.jpg



View 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	17.01	Rating **	M	Issue No.	1249	
LM End	17.01	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					
Comment Code						
Inspector Comment						
FS_ID:39259 DS_ID:19577 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.01)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39259\_65518.jpg



View of waterward side.

LM Start	17.01	Rating **	M	Issue No.	1249 (cont)
LM End	17.01	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39259\_65519.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	17.01	Rating **	M	Issue No.	1249 (cont)	
LM End	17.01	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					
Comment Code						
Inspector Comment						
FS_ID:39259 DS_ID:19577 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.01)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39259\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	17.19	Rating **	M	Issue No.	1250	
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:39260 DS_ID:19578 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.19)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39260\_65525.jpg



View of waterward side.

LM Start	17.19	Rating **	M	Issue No.	1250 (cont)
LM End	17.19	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39260\_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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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	17.19	Rating **	M	Issue No.	1250 (cont)	
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:39260 DS_ID:19578 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.19)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39260\_65520.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  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	17.26	Rating **	M	Issue No.	1251
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				
Comment Code					
Inspector Comment					
FS_ID:36203 DS_ID:19579 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15.8 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.26)]. FS Date: 4/25/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36203\_65551.jpg



View of waterward slope.

LM Start	17.26	Rating **	M	Issue No.	1251 (cont)
LM End	17.26	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36203\_65552.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	17.26	Rating **	M	Issue No.	1251 (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					
Comment Code						
Inspector Comment						
FS_ID:36203 DS_ID:19579 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15.8 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.26)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36203\_65554.jpg



View of landward side.

LM Start	17.52	Rating **	M	Issue No.	1252	
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:36204						
DS_ID:19580						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 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. (DWR UCIP - O. Magana)						
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. USACE						
San Joaquin O&M Manual 601.1, 1967, (HLM 17.53)].						
FS Date: 4/25/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36204\_65547.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	17.52	Rating **	M	Issue No.	1252 (cont)
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:36204 DS_ID:19580 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.53)]. FS Date: 4/25/2014					

Photo 2 of 3 : UCIP\_SP\_2019\_36204\_65546.jpg



Flap gate visible on waterward side.

LM Start	17.52	Rating **	M	Issue No.	1252 (cont)
LM End	17.52	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_36204\_65545.jpg



View of landward side--riser at levee toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	18.18	Rating **	M	Issue No.	1253	
LM End	18.18	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:39261 DS_ID:19581 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Need to contact owner. Recommend investigating integrity of pipe wall through levee heavy corrosion visible from landward side. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.19)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39261\_65557.jpg



View of waterward side.

LM Start	<b>18.18</b>	Rating **	M	Issue No.	<b>1253 (cont)</b>
LM End	<b>18.18</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39261\_65556.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                      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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	18.18	Rating **	M	Issue No.	1253 (cont)	
LM End	18.18	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:39261 DS_ID:19581 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Need to contact owner. Recommend investigating integrity of pipe wall through levee heavy corrosion visible from landward side. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.19)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39261\_65555.jpg



View of landward side.

LM Start	18.45	Rating **	A/W	Issue No.	1254	
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:36206						
DS_ID:19582						
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, 9.4 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.45)].						
FS Date: 4/25/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36206\_65563.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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	18.45	Rating **	A/W	Issue No.	1254 (cont)	
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:36206						
DS_ID:19582						
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, 9.4 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. USACE						
San Joaquin O&M Manual 601.1, 1967, (HLM 18.45)].						
FS Date: 4/25/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_36206\_65562.jpg



View of waterward slope.

LM Start	<b>18.45</b>	Rating **	A/W	Issue No.	<b>1254 (cont)</b>
LM End	<b>18.45</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_36206\_65561.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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	18.79	Rating **	M	Issue No.	1255
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				
Comment Code					
Inspector Comment					
FS_ID:36246 DS_ID:19593 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 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. (DWR UCIP - O. Magana) 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. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.79)]. FS Date: 4/25/2014					

LM Start	<b>18.79</b>	Rating **	M	Issue No.	<b>1255 (cont)</b>
LM End	<b>18.79</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_36246\_65627.jpg



Overview of levee crown and waterward slope.

Photo 2 of 3 : UCIP\_SP\_2019\_36246\_65623.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	18.79	Rating **	M	Issue No.	1255 (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					
Comment Code						
Inspector Comment						
FS_ID:36246						
DS_ID:19593						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 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. (DWR UCIP - O. Magana)						
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. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.79)].						
FS Date: 4/25/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36246\_65626.jpg



Overview of landward side.

LM Start	18.79	Rating **	U	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					
Several large rodent holes on landward slope.					

Photo 1 of 2 : SP\_2019\_NA0010\_118\_94\_20190307\_00017.jpg



Looking at large rodent hole on landward slope. (Spring 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	18.79	Rating **	U	Issue No.	94 (cont)	
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						
Several large rodent holes on landward slope.						

Photo 2 of 2 : SP\_2019\_NA0010\_118\_94\_20190307\_00018.jpg



Looking at typical view of rodent holes with this section. (Spring 2018)

LM Start	19.17	Rating **	M	Issue No.	1256	
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:39263						
DS_ID:19594						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 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. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.17)].						
FS Date: 4/25/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39263\_65631.jpg



View of waterward slope. CMP riser and pipe visible.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	19.17	Rating **	M	Issue No.	1256 (cont)	
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:39263						
DS_ID:19594						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 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. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.17)].						
FS Date: 4/25/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39263\_65630.jpg



View of waterward side.

LM Start	<b>19.17</b>	Rating **	M	Issue No.	<b>1256 (cont)</b>
LM End	<b>19.17</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39263\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	<b>19.23</b>	Rating **	M	Issue No.	<b>135</b>
LM End	<b>20.27</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.200941 °	37.193516 °	
			-120.755265 °	-120.760309 °	
DWR ID	DWR_NA0010_01_s _ 2019_135				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>19.39</b>	Rating **	M	Issue No.	<b>136</b>
LM End	<b>19.60</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.200706 °	37.198858 °	
			-120.758169 °	-120.761152 °	
DWR ID	DWR_NA0010_01_s _ 2019_136				
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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	19.53	Rating **	M	Issue No.	1259	
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					
Comment Code						
Inspector Comment						
FS_ID:39268 DS_ID:19596 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 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. Dense vegetation blocks both waterward and landward headwalls. Sediment buildup in pipe visible from landward side. (DWR UCIP - O. Magana) 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. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.54)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39268\_65641.jpg



View of waterward side.

LM Start	<b>19.53</b>	Rating **	M	Issue No.	<b>1259 (cont)</b>
LM End	<b>19.53</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39268\_65640.jpg



Flap gate visible on waterward side--potential erosion present on 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	19.53	Rating **	M	Issue No.	1259 (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					
Comment Code						
Inspector Comment						
FS_ID:39268 DS_ID:19596 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 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. Dense vegetation blocks both waterward and landward headwalls. Sediment buildup in pipe visible from landward side. (DWR UCIP - O. Magana) 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. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.54)]. FS Date: 4/25/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39268\_65639.jpg



View of landward slope.

LM Start	19.85	Rating **	M	Issue No.	137
LM End	20.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.196950 °	37.193516 °
				-120.763763 °	-120.760309 °
DWR ID	DWR_NA0010_01_s_2019_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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	20.18	Rating **	M	Issue No.	1261	
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:39269						
DS_ID:19598						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/25/2014 Recommend removing vegetation and sediment buildup from both waterward and landward concrete headwalls. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 20.18)].						
FS Date: 4/25/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39269\_65648.jpg



Enter photo 1 description or comment here.

LM Start	<b>20.18</b>	Rating **	M	Issue No.	<b>1261 (cont)</b>
LM End	<b>20.18</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39269\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	20.27	Rating **	M	Issue No.	1264 (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				
Comment Code					
Inspector Comment					
FS_ID:39878 DS_ID:19600 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/25/2014 Crossing partially submersed--no signs of failure of pipe present along pipe alignment. Recommend contacting owner to determine status of crossing and condition. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-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. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 20.27)]. FS Date: 4/25/2014					

Photo 2 of 3 : UCIP\_SP\_2019\_39878\_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>1264 (cont)</b>
LM End	<b>20.27</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39878\_66307.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	20.27	Rating **	U	Issue No.	138
LM End	20.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.193518 °	37.192227 °
				-120.760309 °	-120.761282 °
DWR ID	DWR_NA0010_01_s_2019_138				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_118\_138\_20190402\_00291.jpg



View of landside slope looking upstream. (Spring 2019)

LM Start	20.53	Rating **	M	Issue No.	129
LM End	22.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.190335 °	37.172720 °
				-120.762737 °	-120.754918 °
DWR ID	DWR_NA0010_01_f_2018_129				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
vegetation along landside slope and dense vegetation along the toe					

Photo 1 of 1 : SP\_2019\_NA0010\_118\_129\_20190307\_00042.jpg



View of vegetation on landside slope looking upstream. (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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	21.40	Rating **	M	Issue No.	1266
LM End	21.40	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:39271 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 21.40)]. FS Date: 4/25/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39271\_66312.jpg



View of waterward side.

LM Start	<b>21.40</b>	Rating **	M	Issue No.	<b>1266 (cont)</b>
LM End	<b>21.40</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39271\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	21.40	Rating **	M	Issue No.	1266 (cont)
LM End	21.40	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:39271 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 21.40)]. FS Date: 4/25/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_39271\_66311.jpg



View of landward side.

LM Start	21.46	Rating **	M	Issue No.	139
LM End	21.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.178704 °	37.177373 °
				-120.760560 °	-120.757653 °
DWR ID	DWR_NA0010_01_s_2019_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	21.75	Rating **	M	Issue No.	1267	
LM End	21.75	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:39272 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 21.76)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39272\_65697.jpg



View of waterward side.

LM Start	21.75	Rating **	M	Issue No.	1267 (cont)
LM End	21.75	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39272\_65695.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	21.75	Rating **	M	Issue No.	1267 (cont)	
LM End	21.75	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:39272						
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. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 21.76)].						
FS Date: 4/25/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39272\_65696.jpg



View of landward side.

LM Start	22.12	Rating **	M	Issue No.	1268	
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:39273 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 22.13)]. FS Date: 4/25/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39273\_65709.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.52	03/26/2019 03/26/2019	Corey Fujitani

LM Start	22.12	Rating **	M	Issue No.	1268 (cont)	
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:39273						
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.						
(DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M						
Manual 601.1, 1967, (HLM 22.13)].						
FS Date: 4/25/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39273\_65707.jpg



Flap gate visible on waterward side.

LM Start	<b>22.12</b>	Rating **	M	Issue No.	<b>1268 (cont)</b>
LM End	<b>22.12</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39273\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	0.00	Rating **	C	Issue No.	23
LM End	1.02	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296270 °	37.284950 °
				-120.880690 °	-120.871212 °
DWR ID	DWR_NA0010_02A_s _ 2017_23				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Control veg on levee crown and add additional base on levee crown.					

No Photos

LM Start	0.00	Rating **	U	Issue No.	37
LM End	7.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296277 °	37.231638 °
				-120.880669 °	-120.812247 °
DWR ID	DWR_NA0010_02A_s _ 2019_37				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_119\_37\_20190415\_00079.jpg



View of waterside slope looking upstream. (Spring 2019)

LM Start	0.00	Rating **	U	Issue No.	38
LM End	7.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296294 °	37.231638 °
				-120.880625 °	-120.812247 °
DWR ID	DWR_NA0010_02A_s _ 2019_38				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_119\_38\_20190415\_00078.jpg



View of landside slope looking upstream. (Spring 2019)

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	0.23	Rating **	M	Issue No.	39	
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					
Comment Code						
Inspector Comment						
FS_ID:36503 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.24)]. FS Date: 5/1/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36503\_66102.jpg



View of waterward side.

LM Start	<b>0.23</b>	Rating **	M	Issue No.	<b>39 (cont)</b>
LM End	<b>0.23</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36503\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	0.23	Rating **	M	Issue No.	39 (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					
Comment Code						
Inspector Comment						
FS_ID:36503 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.24)]. FS Date: 5/1/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36503\_66100.jpg



View of landward side.

LM Start	0.66	Rating **	M	Issue No.	40	
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:36504 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.67)]. FS Date: 5/1/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36504\_66106.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	0.71	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 levee unit is in the process of being turned over to State Parks.					

LM Start	<b>0.71</b>	Rating **	U	Issue No.	<b>5 (cont)</b>
LM End	<b>0.78</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : SP\_2019\_NA0010\_119\_5\_20190307\_00005.jpg



Looking south at large erosion on waterside slope. (Spring 2012)

Photo 2 of 4 : SP\_2019\_NA0010\_119\_5\_20190307\_00006.jpg



Looking north at large erosion on waterward slope. (Fall 2013)

Photo 3 of 4 : SP\_2019\_NA0010\_119\_5\_20190307\_00007.jpg



Looking north at erosion on waterward slope. (Fall 2014)

LM Start	<b>0.71</b>	Rating **	U	Issue No.	<b>5 (cont)</b>
LM End	<b>0.78</b>	Issue Type +	Ma	Location *	WS

<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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	0.71	Rating **	U	Issue No.	5 (cont)	
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 levee unit is in the process of being turned over to State Parks.						

Photo 4 of 4 : SP\_2019\_NA0010\_119\_5\_20190307\_00008.jpg



Looking upstream at erosion fall 2017.

LM Start	1.01	Rating **	M	Issue No.	41
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:39363 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.02)]. FS Date: 5/1/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39363\_66113.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	1.01	Rating **	M	Issue No.	41 (cont)	
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:39363						
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. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.02)].						
FS Date: 5/1/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39363\_66112.jpg



Pipe visible on waterward side.

LM Start	<b>1.01</b>	Rating **	M	Issue No.	<b>41 (cont)</b>
LM End	<b>1.01</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39363\_66111.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	1.21	Rating **	M	Issue No.	42	
LM End	1.21	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					
Comment Code						
Inspector Comment						
FS_ID:36506 DS_ID:19655 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. (DWR UCIP - O. Magana) 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. 136 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.22)]. FS Date: 5/1/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36506\_66114.jpg



Overview of waterward side.

LM Start	1.21	Rating **	M	Issue No.	42 (cont)
LM End	1.21	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36506\_66117.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	1.21	Rating **	M	Issue No.	42 (cont)	
LM End	1.21	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					
Comment Code						
Inspector Comment						
FS_ID:36506 DS_ID:19655 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. (DWR UCIP - O. Magana) 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. 136 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.22)]. FS Date: 5/1/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36506\_66116.jpg



View of landward side.

LM Start	1.33	Rating **	M	Issue No.	43	
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:36507 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.34)]. FS Date: 5/1/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36507\_66120.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	1.33	Rating **	M	Issue No.	43 (cont)	
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:36507 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.34)]. FS Date: 5/1/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_36507\_66119.jpg



View of waterward side.

LM Start	<b>1.33</b>	Rating **	M	Issue No.	<b>43 (cont)</b>
LM End	<b>1.33</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_36507\_66118.jpg



Flap gate and concrete apron 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	1.61	Rating **	M	Issue No.	44
LM End	1.61	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				
Comment Code					
Inspector Comment					
FS_ID:36508					
DS_ID:19657					
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. (DWR UCIP - O. Magana)					
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. Brass cap No. 135 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.62)].					
FS Date: 5/1/2014					

LM Start	<b>1.61</b>	Rating **	M	Issue No.	<b>44 (cont)</b>
LM End	<b>1.61</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_36508\_66124.jpg



Overview of landward side.

Photo 2 of 3 : UCIP\_SP\_2019\_36508\_66123.jpg



Dense vegetation along levee slope and toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	1.61	Rating **	M	Issue No.	44 (cont)	
LM End	1.61	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					
Comment Code						
Inspector Comment						
FS_ID:36508 DS_ID:19657 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. (DWR UCIP - O. Magana) 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. Brass cap No. 135 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.62)]. FS Date: 5/1/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36508\_66122.jpg



Enter photo 3 description or comment here.

LM Start	1.85	Rating **	M	Issue No.	45
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:36509					
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. (DWR UCIP - O. Magana)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.86)].					
FS Date: 5/1/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36509\_66129.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	2.28	Rating **	M	Issue No.	46	
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					
Comment Code						
Inspector Comment						
FS_ID:36510 DS_ID:19659 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.30)]. FS Date: 5/1/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36510\_66133.jpg



View of landward side.

LM Start	<b>2.28</b>	Rating **	M	Issue No.	<b>46 (cont)</b>
LM End	<b>2.28</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36510\_66132.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	2.28	Rating **	M	Issue No.	46 (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					
Comment Code						
Inspector Comment						
FS_ID:36510 DS_ID:19659 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.30)]. FS Date: 5/1/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36510\_66131.jpg



View of pipe through levee visible on waterward side.

LM Start	2.30	Rating **	M	Issue No.	47
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:36511 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.32)]. FS Date: 5/1/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36511\_66137.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	2.30	Rating **	M	Issue No.	47 (cont)	
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:36511 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.32)]. FS Date: 5/1/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_36511\_66136.jpg



Flap gate visible on waterward side.

LM Start	<b>2.30</b>	Rating **	M	Issue No.	<b>47 (cont)</b>
LM End	<b>2.30</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_36511\_66138.jpg



Overview 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	2.58	Rating **	M	Issue No.	48	
LM End	2.58	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					
Comment Code						
Inspector Comment						
FS_ID:36512						
DS_ID:19661						
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. (DWR UCIP - O. Magana)						
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. USACE						
San Joaquin O&M Manual 601.1, 1967, (HLM 2.59)].						
FS Date: 5/1/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36512\_66142.jpg



View of landward side.

LM Start	<b>2.58</b>	Rating **	M	Issue No.	<b>48 (cont)</b>
LM End	<b>2.58</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36512\_66141.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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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	2.58	Rating **	M	Issue No.	48 (cont)	
LM End	2.58	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					
Comment Code						
Inspector Comment						
FS_ID:36512 DS_ID:19661 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.59)]. FS Date: 5/1/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36512\_66140.jpg



Non-functional crossing concrete headwall and inlet buried on landward side.

LM Start	2.62	Rating **	M	Issue No.	36
LM End	2.62	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.288969 °	37.288969 °
				-120.846579 °	-120.846579 °
DWR ID	DWR_NA0010_02A_s_2019_36				
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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	2.95	Rating **	M	Issue No.	49
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:36513 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.96)]. FS Date: 5/1/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36513\_66145.jpg



View of waterward side.

LM Start	<b>2.95</b>	Rating **	M	Issue No.	<b>49 (cont)</b>
LM End	<b>2.95</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36513\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	2.95	Rating **	M	Issue No.	49 (cont)	
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:36513 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.96)]. FS Date: 5/1/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36513\_66149.jpg



View of slope on waterward side.

LM Start	3.28	Rating **	M	Issue No.	50	
LM End	3.28	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					
Comment Code						
Inspector Comment						
FS_ID:36514 DS_ID:19665 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. (DWR UCIP - O. Magana) 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. 130 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.29)]. FS Date: 5/1/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36514\_66151.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	3.61	Rating **	M	Issue No.	51	
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:36515 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.62)]. FS Date: 5/1/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36515\_66155.jpg



View of waterward side.

LM Start	<b>3.61</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>3.61</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36515\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	3.61	Rating **	M	Issue No.	51 (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					
Comment Code						
Inspector Comment						
FS_ID:36515 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.62)]. FS Date: 5/1/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36515\_66156.jpg



View of landward side.

LM Start	3.94	Rating **	M	Issue No.	52	
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:39364 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.95)]. FS Date: 5/1/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39364\_66161.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	3.94	Rating **	M	Issue No.	52 (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					
Comment Code						
Inspector Comment						
FS_ID:39364						
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. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.95)].						
FS Date: 5/1/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39364\_66160.jpg



View of waterward side.

LM Start	<b>3.94</b>	Rating **	M	Issue No.	<b>52 (cont)</b>
LM End	<b>3.94</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39364\_66159.jpg



Flap gate and concrete headwall visible through 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	5.41	Rating **	M	Issue No.	53
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:36517 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.43)]. FS Date: 5/1/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36517\_66167.jpg



View of waterward side.

LM Start	<b>5.41</b>	Rating **	M	Issue No.	<b>53 (cont)</b>
LM End	<b>5.41</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36517\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	5.41	Rating **	M	Issue No.	53 (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					
Comment Code						
Inspector Comment						
FS_ID:36517 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.43)]. FS Date: 5/1/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36517\_66165.jpg



View of waterward slope covered by vegetation.

LM Start	5.77	Rating **	C	Issue No.	27
LM End	6.01	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.256093 °	37.253815 °
				-120.827484 °	-120.824372 °
DWR ID	DWR_NA0010_02A_f_2017_27				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	6.03	Rating **	M	Issue No.	54
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:36518 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.06)]. FS Date: 5/1/2014					

Photo 1 of 2 : UCIP\_SP\_2019\_36518\_66171.jpg



View of landward side.

LM Start	<b>6.03</b>	Rating **	M	Issue No.	<b>54 (cont)</b>
LM End	<b>6.03</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_SP\_2019\_36518\_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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	6.47	Rating **	M	Issue No.	55	
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:36519 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.50)]. FS Date: 5/1/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36519\_66173.jpg



View of waterward side.

LM Start	<b>6.47</b>	Rating **	M	Issue No.	<b>55 (cont)</b>
LM End	<b>6.47</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36519\_66172.jpg



Crossing 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	6.47	Rating **	M	Issue No.	55 (cont)	
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:36519 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.50)]. FS Date: 5/1/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36519\_66174.jpg



Overview of levee crown and landward slope.

LM Start	6.97	Rating **	M	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\_2019\_NA0010\_119\_28\_20190307\_00015.jpg



Looking northwest at 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	7.02	Rating **	M	Issue No.	56	
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:39365						
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. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.05)].						
FS Date: 5/1/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39365\_66178.jpg



View of landward side.

LM Start	7.02	Rating **	M	Issue No.	56 (cont)
LM End	7.02	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39365\_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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	7.02	Rating **	M	Issue No.	56 (cont)	
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:39365 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.05)]. FS Date: 5/1/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39365\_66176.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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	7.74	Rating **	M	Issue No.	57	
LM End	7.74	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					
Comment Code						
Inspector Comment						
FS_ID:36521 DS_ID:19673 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.77)]. FS Date: 5/1/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36521\_66183.jpg



View of waterward side.

LM Start	<b>7.74</b>	Rating **	M	Issue No.	<b>57 (cont)</b>
LM End	<b>7.74</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36521\_66182.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	7.87	03/25/2019 03/29/2019	Corey Fujitani

LM Start	7.74	Rating **	M	Issue No.	57 (cont)	
LM End	7.74	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					
Comment Code						
Inspector Comment						
FS_ID:36521 DS_ID:19673 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.77)]. FS Date: 5/1/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36521\_66181.jpg



View of waterward side--photo taken from levee toe looking towards alignment of 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	7.87	Rating **	U	Issue No.	18
LM End	13.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.231266 °	37.172587 °
				-120.811850 °	-120.761157 °
DWR ID	DWR_NA0010_02B_s_2019_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_120\_18\_20190415\_00050.jpg



View of landside slope looking upstream. (Spring 2019)

LM Start	7.87	Rating **	U	Issue No.	23
LM End	13.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.231266 °	37.172587 °
				-120.811850 °	-120.761157 °
DWR ID	DWR_NA0010_02B_s_2019_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_120\_23\_20190415\_00051.jpg



View of waterside slope looking upstream. (Spring 2019)

LM Start	7.87	Rating **	M	Issue No.	16
LM End	8.96	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.231209 °	37.221054 °
				-120.811764 °	-120.796934 °
DWR ID	DWR_NA0010_02B_f_2016_16				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Rutting caused by excessive speeds on levee crown.					

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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	8.13	Rating **	M	Issue No.	26
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:39366					
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. (DWR UCIP - O. Magana)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.16)].					
FS Date: 5/14/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39366\_66184.jpg



View of landward side.

LM Start	<b>8.13</b>	Rating **	M	Issue No.	<b>26 (cont)</b>
LM End	<b>8.13</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39366\_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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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	8.13	Rating **	M	Issue No.	26 (cont)	
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:39366						
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. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.16)].						
FS Date: 5/14/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39366\_66186.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	8.46	Rating **	M	Issue No.	27	
LM End	8.46	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					
Comment Code						
Inspector Comment						
FS_ID:39367						
DS_ID:19675						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/14/2014 Dense vegetation on landward toe. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along waterward slope. Recommend removing vegetation along pipe alignment toe to conduct proper inspection of structure. Sediment buildup in pipe--recommend clearing. (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. Brass cap No. 120 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.48)].						
FS Date: 5/14/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39367\_66195.jpg



View of landward side.

LM Start	<b>8.46</b>	Rating **	M	Issue No.	<b>27 (cont)</b>
LM End	<b>8.46</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39367\_66193.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	8.46	Rating **	M	Issue No.	27 (cont)	
LM End	8.46	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					
Comment Code						
Inspector Comment						
FS_ID:39367						
DS_ID:19675						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/14/2014 Dense vegetation on landward toe. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along waterward slope. Recommend removing vegetation along pipe alignment toe to conduct proper inspection of structure. Sediment buildup in pipe--recommend clearing. (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. Brass cap No. 120 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.48)].						
FS Date: 5/14/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39367\_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                      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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	8.83	Rating **	M	Issue No.	28
LM End	8.83	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:42503 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 presen on waterward slope. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (recorded as HLM 9.86 should be 8.86)]. FS Date: 5/14/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_42503\_66200.jpg



View of landward side.

LM Start	<b>8.83</b>	Rating **	M	Issue No.	<b>28 (cont)</b>
LM End	<b>8.83</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_42503\_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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	8.83	Rating **	M	Issue No.	28 (cont)	
LM End	8.83	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:42503 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 presen on waterward slope. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (recorded as HLM 9.86 should be 8.86)]. FS Date: 5/14/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_42503\_66201.jpg



View of 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	9.00	Rating **	M	Issue No.	29	
LM End	9.00	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					
Comment Code						
Inspector Comment						
FS_ID:36525 DS_ID:19677 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. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.02)]. FS Date: 5/14/2014						

LM Start	<b>9.00</b>	Rating **	M	Issue No.	<b>29 (cont)</b>
LM End	<b>9.00</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_36525\_66208.jpg



View of waterward side--pipe and flap gate visible.

Photo 2 of 3 : UCIP\_SP\_2019\_36525\_66207.jpg



View of flap gate visible 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	9.00	Rating **	M	Issue No.	29 (cont)	
LM End	9.00	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					
Comment Code						
Inspector Comment						
FS_ID:36525 DS_ID:19677 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. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.02)]. FS Date: 5/14/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36525\_66206.jpg



View of landward side.

LM Start	9.17	Rating **	M	Issue No.	30	
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:40443 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.20)]. FS Date: 5/14/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_40443\_66211.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	9.17	Rating **	M	Issue No.	30 (cont)	
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:40443 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.20)]. FS Date: 5/14/2014						

LM Start	<b>9.17</b>	Rating **	M	Issue No.	<b>30 (cont)</b>
LM End	<b>9.17</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_40443\_66210.jpg



View of waterward side.

Photo 3 of 3 : UCIP\_SP\_2019\_40443\_66209.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	9.42	Rating **	M	Issue No.	17
LM End	9.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.220199°	37.220199°
				-120.788748°	-120.788748°
DWR ID	DWR_NA0010_02B_f_2016_17				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim back dead tree limbs on landside toe.					

Photo 1 of 2 : SP\_2019\_NA0010\_120\_17\_20190307\_00006.jpg



Looking north at broken tree limbs and branches on landward slope.  
(Spring 2018)

LM Start	<b>9.42</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>9.42</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_120\_17\_20190307\_00007.jpg



View of dead branches on landside toe. (Fall 2018)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	9.43	Rating **	M	Issue No.	31	
LM End	9.43	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					
Comment Code						
Inspector Comment						
FS_ID:36527 DS_ID:19686 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. (DWR UCIP - O. Magana) 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. 115 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.46)]. FS Date: 5/14/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36527\_66217.jpg



View of landward side.

LM Start	<b>9.43</b>	Rating **	M	Issue No.	<b>31 (cont)</b>
LM End	<b>9.43</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36527\_66216.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	9.43	Rating **	M	Issue No.	31 (cont)	
LM End	9.43	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					
Comment Code						
Inspector Comment						
FS_ID:36527						
DS_ID:19686						
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. (DWR UCIP - O. Magana)						
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. 115 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.46)].						
FS Date: 5/14/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36527\_66215.jpg



Concrete headwall visible on landward side.

LM Start	10.09	Rating **	M	Issue No.	32
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:36528 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 10.12)]. FS Date: 5/14/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36528\_66224.jpg



Overview 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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	10.09	Rating **	M	Issue No.	32 (cont)	
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:36528 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 10.12)]. FS Date: 5/14/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_36528\_66226.jpg



View of waterward slope.

LM Start	<b>10.09</b>	Rating **	M	Issue No.	<b>32 (cont)</b>
LM End	<b>10.09</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_36528\_66222.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	10.78	Rating **	M	Issue No.	33
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				
Comment Code					
Inspector Comment					
FS_ID:42504					
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. (DWR UCIP - O. Magana)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 10.81)].					
FS Date: 5/14/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_42504\_66231.jpg



View of landward side.

LM Start	<b>10.78</b>	Rating **	M	Issue No.	<b>33 (cont)</b>
LM End	<b>10.78</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_42504\_66232.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	10.78	Rating **	M	Issue No.	33 (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					
Comment Code						
Inspector Comment						
FS_ID:42504 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 10.81)]. FS Date: 5/14/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_42504\_66234.jpg



View of pipe visible on waterward side.

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 2 : SP\_2019\_NA0010\_120\_14\_20190307\_00004.jpg



Prunings at landside toe. (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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	10.94	Rating **	M	Issue No.	14 (cont)	
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 2 of 2 : SP\_2019\_NA0010\_120\_14\_20190307\_00005.jpg



Looking at prunings on landward slope. (Spring 2018)

LM Start	11.14	Rating **	M	Issue No.	34	
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:36530						
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. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.17)].						
FS Date: 5/14/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36530\_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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	11.14	Rating **	M	Issue No.	34 (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					
Comment Code						
Inspector Comment						
FS_ID:36530 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.17)]. FS Date: 5/14/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_36530\_66235.jpg



Slide gate visible on landward side blocked by vegetation.

LM Start	11.14	Rating **	M	Issue No.	34 (cont)
LM End	11.14	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_36530\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	11.39	Rating **	U	Issue No.	21
LM End	11.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.201839 °	37.201839 °
				-120.768489 °	-120.768489 °
DWR ID	DWR_NA0010_02B_f_2018_21				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion occurring into the landside slope of levee.					

LM Start	<b>11.39</b>	Rating **	U	Issue No.	<b>21 (cont)</b>
LM End	<b>11.39</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : SP\_2019\_NA0010\_120\_21\_20190307\_00011.jpg



Erosion into landside slope. Looking upstream. (Fall 2018)

Photo 2 of 2 : SP\_2019\_NA0010\_120\_21\_20190307\_00012.jpg



View of erosion site looking down landside slope. (Fall 2018)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	11.40	Rating **	M	Issue No.	35	
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:36531 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.43)]. FS Date: 5/14/2014						

LM Start	<b>11.40</b>	Rating **	M	Issue No.	<b>35 (cont)</b>
LM End	<b>11.40</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_36531\_66241.jpg



View of landward side.

Photo 2 of 3 : UCIP\_SP\_2019\_36531\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	11.40	Rating **	M	Issue No.	35 (cont)	
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:36531 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.43)]. FS Date: 5/14/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36531\_66239.jpg



Flap gate visible on waterward toe.

LM Start	12.21	Rating **	M	Issue No.	1
LM End	12.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.191528 °	37.191528 °
				-120.764541 °	-120.764541 °
DWR ID	DWR_NA0010_02B_f_2014_1				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree limbs are located on the landside slope.					

Photo 1 of 2 : SP\_2019\_NA0010\_120\_1\_20190307\_00001.jpg



Looking northwest at tree limb on 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	12.21	Rating **	M	Issue No.	1 (cont)	
LM End	12.21	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.191528 °	37.191528 °	
				-120.764541 °	-120.764541 °	
DWR ID	DWR_NA0010_02B_f_2014_1					
Comment Code						
TR : Tree or limb						
Inspector Comment						
Fallen tree limbs are located on the landside slope.						

Photo 2 of 2 : SP\_2019\_NA0010\_120\_1\_20190307\_00002.jpg



Looking southwest at tree limb on landward slope.

LM Start	13.18	Rating **	M	Issue No.	36
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:39370 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (recorded as HLM 13.32 should be 13.22)]. FS Date: 5/14/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39370\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	13.18	Rating **	M	Issue No.	36 (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					
Comment Code						
Inspector Comment						
FS_ID:39370 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (recorded as HLM 13.32 should be 13.22)]. FS Date: 5/14/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39370\_66244.jpg



Overview of landward slope.

LM Start	<b>13.18</b>	Rating **	M	Issue No.	<b>36 (cont)</b>
LM End	<b>13.18</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39370\_66243.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	13.72	Rating **	M	Issue No.	25
LM End	13.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.172648 °	37.172648 °
				-120.761157 °	-120.761157 °
DWR ID	DWR_NA0010_02B_f_2018_25				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion is occurring into the landside bank.					

Photo 1 of 2 : SP\_2019\_NA0010\_120\_25\_20190307\_00015.jpg



Looking down landside slope from crown at erosion site. (Fall 2018)

LM Start	<b>13.72</b>	Rating **	M	Issue No.	<b>25 (cont)</b>
LM End	<b>13.72</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_120\_25\_20190307\_00016.jpg



View of erosion on landside slope. (Fall 2018)

LM Start	13.73	Rating **	M	Issue No.	22
LM End	13.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.172387 °	37.172387 °
				-120.761190 °	-120.761190 °
DWR ID	DWR_NA0010_02B_f_2018_22				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are several rodent burrows observed at this location					

Photo 1 of 2 : SP\_2019\_NA0010\_120\_22\_20190307\_00013.jpg



View of waterside slope 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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	03/29/2019 03/29/2019	Corey Fujitani

LM Start	13.73	Rating **	M	Issue No.	22 (cont)	
LM End	13.73	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.172387 °		37.172387 °
				-120.761190 °		-120.761190 °
DWR ID	DWR_NA0010_02B_f_2018_22					
Comment Code						
A1 : Exterminate rodents and backfill and compact or grout burrows.						
Inspector Comment						
There are several rodent burrows observed at this location						

Photo 2 of 2 : SP\_2019\_NA0010\_120\_22\_20190307\_00014.jpg



Representative view of rodent burrows. (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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	03/27/2019 03/27/2019	Corey Fujitani

LM Start	0.02	Rating **	M	Issue No.	17
LM End	2.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.111526 °	37.089304 °
				-120.587691 °	-120.567467 °
DWR ID	DWR_NA0010_03_s_2019_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_121\_17\_20190415\_00022.jpg



View of waterside slope looking downstream. (Spring 2019)

LM Start	0.03	Rating **	C	Issue No.	8
LM End	0.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.111385 °	37.107479 °
				-120.587746 °	-120.587075 °
DWR ID	DWR_NA0010_03_f_2018_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Dense grass and brush on landside slope and toe.					

No Photos

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\_2019\_NA0010\_121\_67\_20190307\_00009.jpg



Looking southwest at the landside 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	03/27/2019 03/27/2019	Corey Fujitani

LM Start	<b>0.31</b>	Rating **	C	Issue No.	<b>9</b>
LM End	<b>0.41</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.107477 °	37.106292 °	
			-120.587074 °	-120.585865 °	
DWR ID	DWR_NA0010_03_f_2018_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>0.40</b>	Rating **	M	Issue No.	<b>18</b>
LM End	<b>0.85</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.106434 °	37.101897 °	
			-120.585997 °	-120.580447 °	
DWR ID	DWR_NA0010_03_s_2019_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>0.41</b>	Rating **	M	Issue No.	<b>16</b>
LM End	<b>0.41</b>	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

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	03/27/2019 03/27/2019	Corey Fujitani

LM Start	0.42	Rating **	M	Issue No.	68
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:34083 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.43)]. FS Date: 4/17/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_34083\_61941.jpg



Concrete structure and flap gate visible on waterward side.

LM Start	<b>0.42</b>	Rating **	M	Issue No.	<b>68 (cont)</b>
LM End	<b>0.42</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_34083\_61940.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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	03/27/2019 03/27/2019	Corey Fujitani

LM Start	0.42	Rating **	M	Issue No.	68 (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					
Comment Code						
Inspector Comment						
FS_ID:34083 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.43)]. FS Date: 4/17/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_34083\_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\_2019\_NA0010\_121\_6\_20190307\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	03/27/2019 03/27/2019	Corey Fujitani

LM Start	0.76	Rating **	A/W	Issue No.	69	
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:36534						
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. USACE						
San Joaquin O&M Manual 601.1, 1967, (HLM 0.77)].						
FS Date: 4/17/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36534\_66248.jpg



View of waterward slope.

LM Start	<b>0.76</b>	Rating **	A/W	Issue No.	<b>69 (cont)</b>
LM End	<b>0.76</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36534\_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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	03/27/2019 03/27/2019	Corey Fujitani

LM Start	0.76	Rating **	A/W	Issue No.	69 (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					
Comment Code						
Inspector Comment						
FS_ID:36534 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.77)]. FS Date: 4/17/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36534\_66251.jpg



View of landward slope.

LM Start	0.83	Rating **	M	Issue No.	7
LM End	0.83	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.102190 °	37.102190 °
				-120.580717 °	-120.580717 °
DWR ID	DWR_NA0010_03_f_2017_7				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_121\_7\_20190307\_00003.jpg



Looking southeast at the waterside 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	03/27/2019 03/27/2019	Corey Fujitani

LM Start	1.05	Rating **	M	Issue No.	11
LM End	1.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.099833 °	37.090138 °
				-120.578034 °	-120.569977 °
DWR ID	DWR_NA0010_03_f_2018_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.54	Rating **	M	Issue No.	65	
LM End	1.54	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

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	03/27/2019 03/27/2019	Corey Fujitani

LM Start	1.71	Rating **	M	Issue No.	70
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:39371					
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. (DWR UCIP - O. Magana)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.72)].					
FS Date: 4/17/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39371\_66252.jpg



View of levee crown at crossing.

LM Start	1.71	Rating **	M	Issue No.	70 (cont)
LM End	1.71	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39371\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.10	03/27/2019 03/27/2019	Corey Fujitani

LM Start	1.71	Rating **	M	Issue No.	70 (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					
Comment Code						
Inspector Comment						
FS_ID:39371						
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. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.72)].						
FS Date: 4/17/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39371\_66253.jpg



View of waterward side--channel.

LM Start	1.76	Rating **	C	Issue No.	15
LM End	2.03	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.091540 °	37.089456 °
				-120.571870 °	-120.567896 °
DWR ID	DWR_NA0010_03_f_2018_15				
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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	03/27/2019 03/27/2019	Corey Fujitani

LM Start	0.05	Rating **	M	Issue No.	10
LM End	0.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.112255 °	37.108807 °
				-120.589794 °	-120.590752 °
DWR ID	DWR_NA0010_04_s_2019_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_122\_10\_20190416\_00025.jpg



View of waterside slope looking upstream. (Spring 2019)

LM Start	0.06	Rating **	M	Issue No.	9
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.112129 °	37.109036 °
				-120.589946 °	-120.590809 °
DWR ID	DWR_NA0010_04_f_2018_9				
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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	03/27/2019 03/27/2019	Corey Fujitani

LM Start	0.24	Rating **	M	Issue No.	17
LM End	0.24	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:34093					
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. (DWR UCIP - O. Magana)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.27)].					
FS Date: 4/17/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_34093\_61982.jpg



View of dense vegetation near concrete headwall located on waterward side.

LM Start	<b>0.24</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>0.24</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_34093\_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	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	03/27/2019 03/27/2019	Corey Fujitani

LM Start	0.24	Rating **	M	Issue No.	17 (cont)	
LM End	0.24	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:34093 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.27)]. FS Date: 4/17/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_34093\_61980.jpg



View of waterward side.

LM Start	0.32	Rating **	U	Issue No.	12
LM End	1.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.108807 °	37.097702 °
				-120.590752 °	-120.578154 °
DWR ID	DWR_NA0010_04_s_2019_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_122\_12\_20190416\_00027.jpg



View of waterside slope looking downstream. (Spring 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.41	03/27/2019 03/27/2019	Corey Fujitani

LM Start	0.48	Rating **	A/W	Issue No.	11
LM End	0.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.106754 °	37.106754 °
				-120.589459 °	-120.589459 °
DWR ID	DWR_NA0010_04_f_2018_11				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes were observed in landside shoulder and slope.					

Photo 1 of 1 : SP\_2019\_NA0010\_122\_11\_20190307\_00006.jpg



Rodent burrows in landside shoulder and slope. (Fall 2018)

LM Start	0.55	Rating **	M	Issue No.	8
LM End	0.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.105957 °	37.105957 °
				-120.588684 °	-120.588684 °
DWR ID	DWR_NA0010_04_f_2017_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\_2019\_NA0010\_122\_8\_20190307\_00004.jpg



Looking south at 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	0.08	Rating **	M	Issue No.	1310
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:39563 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.07)]. FS Date: 4/9/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39563\_60921.jpg



Pipe, flapgate, and concrete headwall on WS toe.

LM Start	<b>0.08</b>	Rating **	M	Issue No.	<b>1310 (cont)</b>
LM End	<b>0.08</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39563\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	0.08	Rating **	M	Issue No.	1310 (cont)	
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:39563 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.07)]. FS Date: 4/9/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39563\_60922.jpg



Pipe and concrete headwall on LS toe.

LM Start	0.60	Rating **	M	Issue No.	1313
LM End	0.60	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:39584 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.59)]. FS Date: 4/9/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39584\_60926.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                      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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	0.60	Rating **	M	Issue No.	1313 (cont)	
LM End	0.60	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:39584 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.59)]. FS Date: 4/9/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39584\_60925.jpg



Concrete headwall, pipe, and flapgate on WS toe.

LM Start	<b>0.60</b>	Rating **	M	Issue No.	<b>1313 (cont)</b>
LM End	<b>0.60</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39584\_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  
 M : Minimally Acceptable  
 U : Unacceptable  
 N : Not Inspected/Rated  
 C : Corrected  
 A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	0.65	Rating **	M	Issue No.	1314
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:39585 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.65)]. FS Date: 4/9/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39585\_60931.jpg



Concrete headwall visible off WS toe.

LM Start	<b>0.65</b>	Rating **	M	Issue No.	<b>1314 (cont)</b>
LM End	<b>0.65</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39585\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	0.65	Rating **	M	Issue No.	1314 (cont)	
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:39585						
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. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.65)].						
FS Date: 4/9/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39585\_60930.jpg



Concrete headwall at LS toe.

LM Start	0.66	Rating **	M	Issue No.	100
LM End	3.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.273299 °	37.252951 °
				-120.815011 °	-120.768351 °
DWR ID	DWR_NA0010_05_s_2019_100				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_123\_100\_20190422\_00334.jpg



View of landside slope looking upstream. (Spring 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	0.66	Rating **	M	Issue No.	101
LM End	3.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.273299 °	37.252951 °
				-120.815011 °	-120.768351 °
DWR ID	DWR_NA0010_05_s_2019_101				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.85	Rating **	A/W	Issue No.	1315
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				
Comment Code					
Inspector Comment					
FS_ID:33707 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.84)]. FS Date: 4/9/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_33707\_60934.jpg



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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	0.85	Rating **	A/W	Issue No.	1315 (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				
Comment Code					
Inspector Comment					
FS_ID:33707 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.84)]. FS Date: 4/9/2014					

Photo 2 of 3 : UCIP\_SP\_2019\_33707\_60933.jpg



Pipe, flapgate, and headwall at WS toe.

LM Start	<b>0.85</b>	Rating **	A/W	Issue No.	<b>1315 (cont)</b>
LM End	<b>0.85</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_33707\_60936.jpg



Pipe and 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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	1.17	Rating **	M	Issue No.	111
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.268866 °	37.267948 °
				-120.808460 °	-120.807513 °
DWR ID	DWR_NA0010_05_f_2018_111				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	1.45	Rating **	A/W	Issue No.	1316
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:33708					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.44)].					
FS Date: 4/9/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_33708\_60939.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	1.45	Rating **	A/W	Issue No.	1316 (cont)	
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:33708						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.44)].						
FS Date: 4/9/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_33708\_60938.jpg



Flapgate on concrete headwall at WS toe.

LM Start	<b>1.45</b>	Rating **	A/W	Issue No.	<b>1316 (cont)</b>
LM End	<b>1.45</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_33708\_60937.jpg



Pipe and concrete headwall on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	1.48	Rating **	M	Issue No.	103
LM End	1.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.265507 °	37.265507 °
				-120.804688 °	-120.804688 °
DWR ID	DWR_NA0010_05_s_2017_103				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A fallen tree is located on the landside toe.					

Photo 1 of 2 : SP\_2019\_NA0010\_123\_103\_20190307\_00012.jpg



Fallen tree limbs at landside toe. (Fall 2018)

LM Start	<b>1.48</b>	Rating **	M	Issue No.	<b>103 (cont)</b>
LM End	<b>1.48</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_123\_103\_20190307\_00013.jpg



Looking east at fallen tree at landward 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\_2019\_NA0010\_123\_80\_20190307\_00011.jpg



Looking at typical view of rodent holes within this section 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

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

LM Start	2.84	Rating **	M	Issue No.	1317
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:33709 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.85)]. FS Date: 4/9/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_33709\_60943.jpg



Concrete headwall 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 M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	2.84	Rating **	M	Issue No.	1317 (cont)	
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:33709 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.85)]. FS Date: 4/9/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_33709\_60941.jpg



Headwall, pipe, and flapgate on WS toe.

LM Start	<b>2.84</b>	Rating **	M	Issue No.	<b>1317 (cont)</b>
LM End	<b>2.84</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_33709\_60942.jpg



Concrete headwall and metal gate hoist 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	2.85	Rating **	M	Issue No.	126
LM End	2.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.256821 °	37.256821 °
				-120.784924 °	-120.784924 °
DWR ID	DWR_NA0010_05_f_2018_126				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Several fallen tree limbs are located on the landside slope and toe.					

Photo 1 of 1 : SP\_2019\_NA0010\_123\_126\_20190307\_00027.jpg



Several tree limbs on landside slope and toe. (Fall 2018)

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

<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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	3.34	Rating **	M	Issue No.	1318
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:43055 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.33)]. FS Date: 4/15/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_43055\_60948.jpg



Concrete headwall at WS toe.

LM Start	<b>3.34</b>	Rating **	M	Issue No.	<b>1318 (cont)</b>
LM End	<b>3.34</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_43055\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	3.34	Rating **	M	Issue No.	1318 (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					
Comment Code						
Inspector Comment						
FS_ID:43055 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.33)]. FS Date: 4/15/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_43055\_60951.jpg



Pipe corroded through just behind flapgate at WS toe.

LM Start	3.54	Rating **	C	Issue No.	114
LM End	3.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.255191 °	37.255191 °
				-120.773667 °	-120.773667 °
DWR ID	DWR_NA0010_05_f_2017_114				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Broken tree branch on landward slope and 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

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 °
DWR ID	DWR_NA0010_05_f_2018_134				
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\_2019\_NA0010\_123\_134\_20190307\_00034.jpg



Looking at typical rodent holes within this section. (Spring 2018)

LM Start	3.68	Rating **	M	Issue No.	1319
LM End	3.68	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:39586					
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. (DWR UCIP - W. Wylie)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.67)].					
FS Date: 4/16/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39586\_61137.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	3.68	Rating **	M	Issue No.	1319 (cont)
LM End	3.68	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:39586 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.67)]. FS Date: 4/16/2014					

LM Start	<b>3.68</b>	Rating **	M	Issue No.	<b>1319 (cont)</b>
LM End	<b>3.68</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39586\_61138.jpg



Pipe, headwall, and flapgate on WS toe.

Photo 3 of 3 : UCIP\_SP\_2019\_39586\_61136.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                      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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	4.02	Rating **	M	Issue No.	1320
LM End	4.02	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:39880 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.02)]. FS Date: 4/16/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39880\_61142.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	<b>4.02</b>	Rating **	M	Issue No.	<b>1320 (cont)</b>
LM End	<b>4.02</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39880\_61143.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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	4.02	Rating **	M	Issue No.	1320 (cont)
LM End	4.02	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:39880 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.02)]. FS Date: 4/16/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_39880\_61141.jpg



Pipe and headwall on LS toe.

LM Start	4.25	Rating **	M	Issue No.	117
LM End	4.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.246217 °	37.245406 °
				-120.760963 °	-120.759946 °
DWR ID	DWR_NA0010_05_f _ 2017_117				
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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	4.26	Rating **	M	Issue No.	113
LM End	4.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.246173 °	37.243639 °
				-120.760898 °	-120.756745 °
DWR ID	DWR_NA0010_05_s _ 2019_113				
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.	110
LM End	4.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.246173 °	37.242297 °
				-120.760898 °	-120.754687 °
DWR ID	DWR_NA0010_05_s _ 2019_110				
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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	4.27	Rating **	M	Issue No.	1321
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:39588 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.27)]. FS Date: 4/16/2014					

LM Start	<b>4.27</b>	Rating **	M	Issue No.	<b>1321 (cont)</b>
LM End	<b>4.27</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_39588\_61146.jpg



Pipe, headwall, and flapgate on WS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_39588\_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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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	4.27	Rating **	M	Issue No.	1321 (cont)	
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:39588 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.27)]. FS Date: 4/16/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39588\_61147.jpg



Concrete headwall and pipe on LS toe.

LM Start	4.33	Rating **	U	Issue No.	131
LM End	4.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.245406 °	37.245406 °
				-120.759971 °	-120.759971 °
DWR ID	DWR_NA0010_05_f_2018_131				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several large rodent holes are located on both sides of levee.					

Photo 1 of 2 : SP\_2019\_NA0010\_123\_131\_20190307\_00030.jpg



View of a large rodent hole in landward 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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	4.33	Rating **	U	Issue No.	131 (cont)	
LM End	4.33	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.245406 °		37.245406 °
				-120.759971 °		-120.759971 °
DWR ID	DWR_NA0010_05_f_2018_131					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
Several large rodent holes are located on both sides of levee.						

Photo 2 of 2 : SP\_2019\_NA0010\_123\_131\_20190307\_00031.jpg



View of several rodent burrows in landward slope. (Fall 2018)

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

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	4.55	Rating **	M	Issue No.	1322	
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:39589						
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. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.54)].						
FS Date: 4/16/2014 8:16:00 AM						

LM Start	<b>4.55</b>	Rating **	M	Issue No.	<b>1322 (cont)</b>
LM End	<b>4.55</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_39589\_62081.jpg



Pipe, flapgate, and headwall on WS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_39589\_62083.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	4.55	Rating **	M	Issue No.	1322 (cont)
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:39589					
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. (DWR UCIP - W. Wylie)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.54)].					
FS Date: 4/16/2014 8:16:00 AM					

Photo 3 of 3 : UCIP\_SP\_2019\_39589\_62082.jpg



Pipe and headwall on LS toe.

LM Start	4.89	Rating **	M	Issue No.	1323	
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:39590 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.89)]. FS Date: 4/16/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39590\_62087.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	5.12	Rating **	U	Issue No.	122
LM End	8.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.240628 °	37.213556 °
				-120.747510 °	-120.706519 °
DWR ID	DWR_NA0010_05_s_2019_122				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_123\_122\_20190422\_00335.jpg



View of landside slope looking downstream. (Spring 2019)

LM Start	5.12	Rating **	U	Issue No.	136
LM End	8.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.240628 °	37.213556 °
				-120.747503 °	-120.706519 °
DWR ID	DWR_NA0010_05_s_2019_136				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_123\_136\_20190422\_00336.jpg



View of waterside slope looking downstream. (Spring 2019)

<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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	5.15	Rating **	M	Issue No.	1324	
LM End	5.15	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:39591 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.15)]. FS Date: 4/16/2014						

LM Start	<b>5.15</b>	Rating **	M	Issue No.	<b>1324 (cont)</b>
LM End	<b>5.15</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_39591\_62091.jpg



Headwall, flapgate, and pipe on WS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_39591\_62093.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	5.15	Rating **	M	Issue No.	1324 (cont)	
LM End	5.15	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:39591 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.15)]. FS Date: 4/16/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39591\_62092.jpg



Headwall and pipe on LS toe.

LM Start	5.58	Rating **	A/W	Issue No.	1325
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:34151					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.58)].					
FS Date: 4/16/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_34151\_62096.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	5.58	Rating **	A/W	Issue No.	1325 (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					
Comment Code						
Inspector Comment						
FS_ID:34151 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.58)]. FS Date: 4/16/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_34151\_62095.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	<b>5.58</b>	Rating **	A/W	Issue No.	<b>1325 (cont)</b>
LM End	<b>5.58</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_34151\_62097.jpg



Headwall and pipe on LS toe with HDPE drain pipe being installed 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

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 2 : SP\_2019\_NA0010\_123\_138\_20190307\_00036.jpg



View of large rodent holes in landside slope. (Fall 2018)

LM Start	<b>5.94</b>	Rating **	U	Issue No.	<b>138 (cont)</b>
LM End	<b>5.94</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_123\_138\_20190307\_00037.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					

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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	6.35	Rating **	A/W	Issue No.	1326
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:34163 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.35)]. FS Date: 4/16/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_34163\_62102.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	<b>6.35</b>	Rating **	A/W	Issue No.	<b>1326 (cont)</b>
LM End	<b>6.35</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_34163\_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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	6.35	Rating **	A/W	Issue No.	1326 (cont)	
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:34163 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.35)]. FS Date: 4/16/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_34163\_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 2 : SP\_2019\_NA0010\_123\_139\_20190307\_00038.jpg



View of rodent holes on landside shoulder. (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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	6.40	Rating **	M	Issue No.	139 (cont)	
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 2 of 2 : SP\_2019\_NA0010\_123\_139\_20190307\_00039.jpg



View of rodent holes on landside slope. (Fall 2018)

LM Start	6.52	Rating **	M	Issue No.	15
LM End	6.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.230497 °	37.230497 °
				-120.727263 °	-120.727263 °
DWR ID	DWR_NA0010_05_s_2012_15				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	6.56	Rating **	M	Issue No.	140
LM End	6.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.230013 °	37.230013 °
				-120.726832 °	-120.726832 °
DWR ID	DWR_NA0010_05_f_2018_140				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There is erosion on the landward slope near the gate.					

Photo 1 of 1 : SP\_2019\_NA0010\_123\_140\_20190307\_00040.jpg



Erosion on landward slope caused by 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		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	6.59	Rating **	M	Issue No.	1309
LM End	6.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.229682 °	37.229682 °
				-120.726305 °	-120.726305 °
DWR ID	DWR_NA0010_05_s_2015_1309				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
The landside slope has damage caused by animal foot traffic.					

LM Start	<b>6.59</b>	Rating **	M	Issue No.	<b>1309 (cont)</b>
LM End	<b>6.59</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : SP\_2019\_NA0010\_123\_1309\_20190307\_00064.jpg



Looking upstream at damaged landside slope. (Fall 2018)

Photo 2 of 3 : SP\_2019\_NA0010\_123\_1309\_20190307\_00065.jpg



Looking north at damaged landward slope.

LM Start	<b>6.59</b>	Rating **	M	Issue No.	<b>1309 (cont)</b>
LM End	<b>6.59</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP\_2019\_NA0010\_123\_1309\_20190307\_00066.jpg



Looking east at damaged landward slope.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	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					
A3 : No rodents visible, but rodent burrows visible; need to 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.	1327
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:39592					
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. (DWR UCIP - W. Wylie)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.36)].					
FS Date: 4/22/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39592\_62111.jpg



Headwall, flapgate, and pipe on WS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	7.36	Rating **	M	Issue No.	1327 (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					
Comment Code						
Inspector Comment						
FS_ID:39592						
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. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.36)].						
FS Date: 4/22/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39592\_62113.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	<b>7.36</b>	Rating **	M	Issue No.	<b>1327 (cont)</b>
LM End	<b>7.36</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39592\_62112.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

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 is not opening correctly due to a bent fence post. Gate was previously repaired to allow opening.					

Photo 1 of 1 : SP\_2019\_NA0010\_123\_104\_20190307\_00014.jpg



Looking at a bend in the gate near the hinge point.

LM Start	8.46	Rating **	M	Issue No.	1330
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:34265 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.44)]. FS Date: 4/22/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_34265\_62182.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	8.46	Rating **	M	Issue No.	1330 (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					
Comment Code						
Inspector Comment						
FS_ID:34265 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.44)]. FS Date: 4/22/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_34265\_62183.jpg



Headwall, flapgate, and pipe on WS toe

LM Start	<b>8.46</b>	Rating **	M	Issue No.	<b>1330 (cont)</b>
LM End	<b>8.46</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_34265\_62181.jpg



Headwall, slidegate, 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	9.28	Rating **	A/W	Issue No.	1331
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:34272					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.26)].					
FS Date: 4/22/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_34272\_62196.jpg



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

LM Start	<b>9.28</b>	Rating **	A/W	Issue No.	<b>1331 (cont)</b>
LM End	<b>9.28</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_34272\_62198.jpg



Headwall 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	9.28	Rating **	A/W	Issue No.	1331 (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					
Comment Code						
Inspector Comment						
FS_ID:34272						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.26)].						
FS Date: 4/22/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_34272\_62197.jpg



Headwall and pipe at LS toe.

LM Start	9.29	Rating **	M	Issue No.	177
LM End	10.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.202683 °	37.190285 °
				-120.689989 °	-120.670642 °
DWR ID	DWR_NA0010_05_s_2019_177				
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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	9.36	Rating **	M	Issue No.	178
LM End	10.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.202127 °	37.190285 °
				-120.688869 °	-120.670642 °
DWR ID	DWR_NA0010_05_s_2019_178				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	10.06	Rating **	M	Issue No.	1332
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:34273					
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). (DWR UCIP - W. Wylie)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 10.05)].					
FS Date: 4/22/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_34273\_62201.jpg



Slidegate in CMP riser on WS slope.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	10.06	Rating **	M	Issue No.	1332 (cont)	
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:34273						
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). (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 10.05)].						
FS Date: 4/22/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_34273\_62202.jpg



Concrete headwall and pipe on WS toe.

LM Start	<b>10.06</b>	Rating **	M	Issue No.	<b>1332 (cont)</b>
LM End	<b>10.06</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_34273\_62200.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	10.66	Rating **	M	Issue No.	142
LM End	10.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.190286 °	37.190286 °
				-120.671207 °	-120.671207 °
DWR ID	DWR_NA0010_05_f _ 2018_142				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A fallen tree is located on the landside toe and slope.					

Photo 1 of 1 : SP\_2019\_NA0010\_123\_142\_20190307\_00041.jpg



Fallen tree on landside toe and slope. (Fall 2018)

LM Start	11.17	Rating **	C	Issue No.	143
LM End	11.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.189780 °	37.189183 °
				-120.662168 °	-120.661113 °
DWR ID	DWR_NA0010_05_f_2018_143				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	11.30	Rating **	A/W	Issue No.	118
LM End	11.45	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.188515 °	37.186938 °
				-120.660299 °	-120.658451 °
DWR ID	DWR_NA0010_05_f_2017_118				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	11.37	Rating **	M	Issue No.	144
LM End	11.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.187792 °	37.187792 °
				-120.659454 °	-120.659454 °
DWR ID	DWR_NA0010_05_f_2018_144				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Tree limbs on the levee slope should be trimmed to allow access.					

Photo 1 of 1 : SP\_2019\_NA0010\_123\_144\_20190307\_00042.jpg



View of tree limbs on levee slope. (Fall 2018)

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\_2019\_NA0010\_123\_145\_20190307\_00043.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\_2019\_NA0010\_123\_146\_20190307\_00044.jpg



Tree limbs and trunk on levee toe. (Fall 2018)

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	11.49	Rating **	A/W	Issue No.	1333
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:34281 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.48)]. FS Date: 4/22/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_34281\_62219.jpg



Slidegate in CMP riser, concrete headwall and pipe visible on WS slope.

LM Start	<b>11.49</b>	Rating **	A/W	Issue No.	<b>1333 (cont)</b>
LM End	<b>11.49</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_34281\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	11.49	Rating **	A/W	Issue No.	1333 (cont)
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:34281 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.48)]. FS Date: 4/22/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_34281\_62218.jpg



Inside pipe at LS toe.

LM Start	11.50	Rating **	A/W	Issue No.	1334
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				
Comment Code					
Inspector Comment					
FS_ID:34280 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.48)]. FS Date: 4/22/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_34280\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	11.50	Rating **	A/W	Issue No.	1334 (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					
Comment Code						
Inspector Comment						
FS_ID:34280 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.48)]. FS Date: 4/22/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_34280\_62214.jpg



Stairs, concrete headwall and pipe on LS toe.

LM Start	<b>11.50</b>	Rating **	A/W	Issue No.	<b>1334 (cont)</b>
LM End	<b>11.50</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_34280\_62215.jpg



Inside pipe 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	11.55	Rating **	U	Issue No.	179
LM End	14.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.185829 °	37.163394 °
				-120.657181 °	-120.620270 °
DWR ID	DWR_NA0010_05_s_2019_179				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_123\_179\_20190423\_00338.jpg



View of landside slope looking upstream. (Spring 2019)

LM Start	11.55	Rating **	U	Issue No.	180
LM End	14.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.185829 °	37.163394 °
				-120.657181 °	-120.620270 °
DWR ID	DWR_NA0010_05_s_2019_180				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_123\_180\_20190423\_00337.jpg



View of waterside slope looking downstream. (Spring 2019)

<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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	11.65	Rating **	A/W	Issue No.	1335
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:34283 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.63)]. FS Date: 4/22/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_34283\_62221.jpg



Headwall, flapgate, and pipe at WS toe.

LM Start	<b>11.65</b>	Rating **	A/W	Issue No.	<b>1335 (cont)</b>
LM End	<b>11.65</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_34283\_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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	11.65	Rating **	A/W	Issue No.	1335 (cont)	
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:34283 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.63)]. FS Date: 4/22/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_34283\_62222.jpg



Concrete headwall and pipe at LS toe.

LM Start	11.72	Rating **	A/W	Issue No.	105
LM End	19.52	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.184120 °	37.113027 °
				-120.655170 °	-120.559882 °
DWR ID	DWR_NA0010_05_s_2017_105				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	12.01	Rating **	A/W	Issue No.	1336
LM End	12.01	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:34284 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.99)]. FS Date: 4/22/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_34284\_62225.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	<b>12.01</b>	Rating **	A/W	Issue No.	<b>1336 (cont)</b>
LM End	<b>12.01</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_34284\_62227.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	12.01	Rating **	A/W	Issue No.	1336 (cont)
LM End	12.01	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:34284 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.99)]. FS Date: 4/22/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_34284\_62226.jpg



Headwall and pipe on LS toe.

LM Start	12.40	Rating **	A/W	Issue No.	1337
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:34285 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 12.38)]. FS Date: 4/22/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_34285\_62230.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	12.40	Rating **	A/W	Issue No.	1337 (cont)	
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:34285 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 12.38)]. FS Date: 4/22/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_34285\_62229.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	<b>12.40</b>	Rating **	A/W	Issue No.	<b>1337 (cont)</b>
LM End	<b>12.40</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_34285\_62231.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	12.81	Rating **	M	Issue No.	108
LM End	12.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.175793 °	37.175793 °
				-120.642227 °	-120.642227 °
DWR ID	DWR_NA0010_05_s_2017_108				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_NA0010\_123\_108\_20190307\_00015.jpg



Looking upstream at tree branch on landside slope. (Fall 2018)

LM Start	<b>12.81</b>	Rating **	M	Issue No.	<b>108 (cont)</b>
LM End	<b>12.81</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_123\_108\_20190307\_00016.jpg



Looking east at the landside slope. (Fall 2017)

LM Start	12.85	Rating **	M	Issue No.	151	
LM End	12.85	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.175799 °	°	
				-120.641595 °	1.000000 °	
DWR ID	DWR_NA0010_05_f_2018_151					
Comment Code						
TR : Tree or limb						
Inspector Comment						

Photo 1 of 1 : SP\_2019\_NA0010\_123\_151\_20190307\_00048.jpg



Tree limb discarded on landside slope. (Fall 2018)

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	12.89	Rating **	M	Issue No.	1338	
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:39593						
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. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 12.87)].						
FS Date: 4/22/2014						

LM Start	<b>12.89</b>	Rating **	M	Issue No.	<b>1338 (cont)</b>
LM End	<b>12.89</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_39593\_62240.jpg



Headwall, flapgate, and pipe on WS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_39593\_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	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	12.89	Rating **	M	Issue No.	1338 (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					
Comment Code						
Inspector Comment						
FS_ID:39593 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 12.87)]. FS Date: 4/22/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39593\_62239.jpg



Headwall and pipe on LS toe.

LM Start	12.93	Rating **	M	Issue No.	109
LM End	12.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.175780 °	37.175780 °
				-120.640195 °	-120.640195 °
DWR ID	DWR_NA0010_05_s_2017_109				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A fallen tree is located on the landside toe.					

Photo 1 of 1 : SP\_2019\_NA0010\_123\_109\_20190307\_00017.jpg



Looking at broken tree on landward toe. (Spring 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

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 is a downed tree on landside toe.					

Photo 1 of 1 : SP\_2019\_NA0010\_123\_2\_20190307\_00002.jpg



Looking west at down tree at landward toe.

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\_2019\_NA0010\_123\_150\_20190307\_00047.jpg



Tree trimmings on landside slope and toe. (Fall 2018)

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\_2019\_NA0010\_123\_152\_20190307\_00049.jpg



Tree trunk on landside toe. (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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

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	13.31	Rating **	M	Issue No.	137
LM End	13.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.172667 °	37.169577 °
				-120.634682 °	-120.631392 °
DWR ID	DWR_NA0010_05_s _ 2018_137				
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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	13.42	Rating **	M	Issue No.	1339
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:34288 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.40)]. FS Date: 4/22/2014					

LM Start	<b>13.42</b>	Rating **	M	Issue No.	<b>1339 (cont)</b>
LM End	<b>13.42</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_34288\_62244.jpg



Headwall and pipe on LS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_34288\_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                      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**

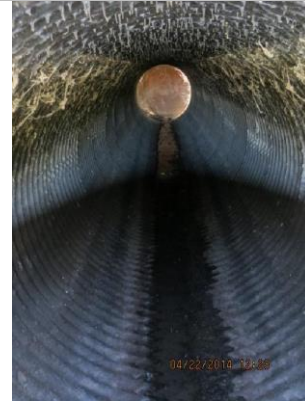
## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	13.42	Rating **	M	Issue No.	1339 (cont)	
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:34288 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.40)]. FS Date: 4/22/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_34288\_62242.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	13.72	Rating **	M	Issue No.	1340	
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:34824 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. (DWR UCIP - W. Wylie) 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. 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. USACE San Joaquin O&M Manual 601.1, 1967, (recorded as HLM 14.72 should be 13.72)]. FS Date: 4/22/2014						

Photo 1 of 2 : UCIP\_SP\_2019\_34824\_62624.jpg



Slide gate at 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	13.72	Rating **	M	Issue No.	1340 (cont)
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:34824 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. (DWR UCIP - W. Wylie) 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. 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. USACE San Joaquin O&M Manual 601.1, 1967, (recorded as HLM 14.72 should be 13.72)]. FS Date: 4/22/2014					

Photo 2 of 2 : UCIP\_SP\_2019\_34824\_62623.jpg



Walkway to gatevalve on LS shoulder.

LM Start	13.85	Rating **	A/W	Issue No.	1341
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:34657 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.83)]. FS Date: 4/23/2014 4:17:00 PM					

Photo 1 of 3 : UCIP\_SP\_2019\_34657\_62450.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	13.85	Rating **	A/W	Issue No.	1341 (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					
Comment Code						
Inspector Comment						
FS_ID:34657 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.83)]. FS Date: 4/23/2014 4:17:00 PM						

Photo 2 of 3 : UCIP\_SP\_2019\_34657\_62448.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	<b>13.85</b>	Rating **	A/W	Issue No.	<b>1341 (cont)</b>
LM End	<b>13.85</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_34657\_62449.jpg



Concrete wier intake structure 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	14.35	Rating **	M	Issue No.	183
LM End	23.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.163394 °	37.073116 °
				-120.620270 °	-120.516809 °
DWR ID	DWR_NA0010_05_s _ 2019_183				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	14.35	Rating **	M	Issue No.	182
LM End	34.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.163394 °	36.980570 °
				-120.620270 °	-120.368275 °
DWR ID	DWR_NA0010_05_s _ 2019_182				
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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	14.46	Rating **	A/W	Issue No.	1342
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:34656 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 14.44)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_34656\_62446.jpg



Headwall, pipe, and flapgate on WS toe.

LM Start	<b>14.46</b>	Rating **	A/W	Issue No.	<b>1342 (cont)</b>
LM End	<b>14.46</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_34656\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	14.46	Rating **	A/W	Issue No.	1342 (cont)	
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:34656						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 14.44)].						
FS Date: 4/23/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_34656\_62445.jpg



Concrete weir inlet at LS toe.

LM Start	15.11	Rating **	M	Issue No.	1343
LM End	15.11	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:34664 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.09)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_34664\_62454.jpg



Headwall and inlet on LS toe.

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	15.11	Rating **	M	Issue No.	1343 (cont)	
LM End	15.11	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:34664 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.09)]. FS Date: 4/23/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_34664\_62453.jpg



Headwall and inlet on LS toe.

LM Start	15.11	Rating **	M	Issue No.	1343 (cont)
LM End	15.11	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_34664\_62452.jpg



Inside pipe at LS toe.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	15.76	Rating **	M	Issue No.	1344
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:39595 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.74)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39595\_62459.jpg



Headwall, pipe, and flapgate on WS toe.

LM Start	15.76	Rating **	M	Issue No.	1344 (cont)
LM End	15.76	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39595\_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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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	15.76	Rating **	M	Issue No.	1344 (cont)	
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:39595 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.74)]. FS Date: 4/23/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39595\_62458.jpg



Headwall and pipe at LS toe.

LM Start	15.81	Rating **	M	Issue No.	1345	
LM End	15.81	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					
Comment Code						
Inspector Comment						
FS_ID:39596 DS_ID:19715 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Excess vegetation at inlet on LS toe should be cleared. (DWR UCIP - W. Wylie) 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 saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.80)]. FS Date: 4/23/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39596\_62464.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	15.81	Rating **	M	Issue No.	1345 (cont)
LM End	15.81	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				
Comment Code					
Inspector Comment					
FS_ID:39596 DS_ID:19715 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/23/2014 Excess vegetation at inlet on LS toe should be cleared. (DWR UCIP - W. Wylie) 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 saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.80)]. FS Date: 4/23/2014					

Photo 2 of 3 : UCIP\_SP\_2019\_39596\_62467.jpg



Headwall, pipe, and flapgate on WS toe.

LM Start	<b>15.81</b>	Rating **	M	Issue No.	<b>1345 (cont)</b>
LM End	<b>15.81</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39596\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	16.11	Rating **	M	Issue No.	1
LM End	16.12	Issue Type +	Ma	Location *	WS
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					
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. [2017 Site ID:NA0010U05RM13.85]					

Photo 1 of 1 : SP\_2019\_NA0010\_123\_1\_20190307\_00001.jpg



View of erosion looking upstream. (Fall 2018)

LM Start	16.68	Rating **	M	Issue No.	1346
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:34725 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 16.67)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_34725\_62469.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 M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	16.68	Rating **	M	Issue No.	1346 (cont)	
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:34725 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 16.67)]. FS Date: 4/23/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_34725\_62471.jpg



Headwall, flapgate, and pipe visible on WS toe.

LM Start	<b>16.68</b>	Rating **	M	Issue No.	<b>1346 (cont)</b>
LM End	<b>16.68</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_34725\_62470.jpg



Concrete 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	17.22	Rating **	M	Issue No.	1347
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				
Comment Code					
Inspector Comment					
FS_ID:39597 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.20)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39597\_62481.jpg



Headwall, flapgate, and pipe visible on WS toe.

LM Start	17.22	Rating **	M	Issue No.	1347 (cont)
LM End	17.22	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39597\_62483.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	17.22	Rating **	M	Issue No.	1347 (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				
Comment Code					
Inspector Comment					
FS_ID:39597 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.20)]. FS Date: 4/23/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_39597\_62482.jpg



Headwall and pipe visible on LS toe.

LM Start	17.54	Rating **	M	Issue No.	1348
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:39599 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.52)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39599\_62485.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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	17.54	Rating **	M	Issue No.	1348 (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					
Comment Code						
Inspector Comment						
FS_ID:39599 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 17.52)]. FS Date: 4/23/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39599\_62486.jpg



Pipe and headwall visible on LS toe.

LM Start	<b>17.54</b>	Rating **	M	Issue No.	<b>1348 (cont)</b>
LM End	<b>17.54</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39599\_62488.jpg



Inside pipe on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	18.09	Rating **	M	Issue No.	1349
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:34747 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.07)]. FS Date: 4/23/2014					

LM Start	<b>18.09</b>	Rating **	M	Issue No.	<b>1349 (cont)</b>
LM End	<b>18.09</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_34747\_62494.jpg



Headwall, pipe, and flapgate on WS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_34747\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	18.09	Rating **	M	Issue No.	1349 (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				
Comment Code					
Inspector Comment					
FS_ID:34747 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.07)]. FS Date: 4/23/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_34747\_62493.jpg



Headwall and pipe visible on LS toe.

LM Start	18.70	Rating **	M	Issue No.	1350
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:39600 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.68)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39600\_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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	18.70	Rating **	M	Issue No.	1350 (cont)
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:39600 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.68)]. FS Date: 4/23/2014					

Photo 2 of 3 : UCIP\_SP\_2019\_39600\_62498.jpg



Headwall, pipe and flapgate visible on WS toe.

LM Start	<b>18.70</b>	Rating **	M	Issue No.	<b>1350 (cont)</b>
LM End	<b>18.70</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39600\_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 M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	19.15	Rating **	M	Issue No.	1351	
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:39601 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.11)]. FS Date: 4/23/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39601\_62504.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	19.15	Rating **	M	Issue No.	1351 (cont)
LM End	19.15	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39601\_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                      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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	19.15	Rating **	M	Issue No.	1351 (cont)	
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:39601 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.11)]. FS Date: 4/23/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39601\_62505.jpg



Headwall and pipe visible on LS toe.

LM Start	19.17	Rating **	A/W	Issue No.	1352
LM End	19.17	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:34751 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.15)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_34751\_62509.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	19.17	Rating **	A/W	Issue No.	1352 (cont)
LM End	19.17	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:34751 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.15)]. FS Date: 4/23/2014					

Photo 2 of 3 : UCIP\_SP\_2019\_34751\_62511.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	<b>19.17</b>	Rating **	A/W	Issue No.	<b>1352 (cont)</b>
LM End	<b>19.17</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_34751\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	19.48	Rating **	M	Issue No.	1353
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:39602 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.46)]. FS Date: 4/23/2014					

LM Start	<b>19.48</b>	Rating **	M	Issue No.	<b>1353 (cont)</b>
LM End	<b>19.48</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_39602\_62514.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_39602\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	19.48	Rating **	M	Issue No.	1353 (cont)	
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:39602 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.46)]. FS Date: 4/23/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39602\_62515.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	19.52	Rating **	M	Issue No.	1355
LM End	19.52	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				
Comment Code					
Inspector Comment					
FS_ID:39603 DS_ID:19778 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. (DWR UCIP - W. Wylie) 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. 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, (HLM 19.50)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39603\_62519.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	19.52	Rating **	M	Issue No.	1355 (cont)
LM End	19.52	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39603\_62521.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	19.52	Rating **	M	Issue No.	1355 (cont)
LM End	19.52	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				
Comment Code					
Inspector Comment					
FS_ID:39603 DS_ID:19778 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. (DWR UCIP - W. Wylie) 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. 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, (HLM 19.50)]. FS Date: 4/23/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_39603\_62520.jpg



Headwall and pipe visible on LS toe.

LM Start	19.86	Rating **	A/W	Issue No.	1356
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:34754 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.84)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_34754\_62525.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	19.86	Rating **	A/W	Issue No.	1356 (cont)	
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:34754 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.84)]. FS Date: 4/23/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_34754\_62524.jpg



Headwall and pipe visible on LS toe.

LM Start	<b>19.86</b>	Rating **	A/W	Issue No.	<b>1356 (cont)</b>
LM End	<b>19.86</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_34754\_62523.jpg



Inside pipe on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	19.94	Rating **	A/W	Issue No.	1357
LM End	19.94	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				
Comment Code					
Inspector Comment					
FS_ID:34755 DS_ID:19780 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, 9.8 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.92)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_34755\_62529.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	<b>19.94</b>	Rating **	A/W	Issue No.	<b>1357 (cont)</b>
LM End	<b>19.94</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_34755\_62530.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	19.94	Rating **	A/W	Issue No.	1357 (cont)	
LM End	19.94	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					
Comment Code						
Inspector Comment						
FS_ID:34755 DS_ID:19780 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, 9.8 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.92)]. FS Date: 4/23/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_34755\_62528.jpg



Headwall and pipe visible on LS toe.

LM Start	20.10	Rating **	A/W	Issue No.	1358
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:34757 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 20.05)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_34757\_62533.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	20.10	Rating **	A/W	Issue No.	1358 (cont)
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:34757 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 20.05)]. FS Date: 4/23/2014					

Photo 2 of 3 : UCIP\_SP\_2019\_34757\_62532.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	<b>20.10</b>	Rating **	A/W	Issue No.	<b>1358 (cont)</b>
LM End	<b>20.10</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_34757\_62534.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	20.24	Rating **	A/W	Issue No.	1360	
LM End	20.24	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					
Comment Code						
Inspector Comment						
FS_ID:34760 DS_ID:19783 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, 10.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 20.18)]. FS Date: 4/23/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_34760\_62539.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	<b>20.24</b>	Rating **	A/W	Issue No.	<b>1360 (cont)</b>
LM End	<b>20.24</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_34760\_62541.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	20.24	Rating **	A/W	Issue No.	1360 (cont)	
LM End	20.24	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					
Comment Code						
Inspector Comment						
FS_ID:34760 DS_ID:19783 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, 10.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 20.18)]. FS Date: 4/23/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_34760\_62540.jpg



Headwall and pipe visible on LS toe.

LM Start	20.65	Rating **	M	Issue No.	1361
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:39605 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 20.59)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39605\_62544.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	20.65	Rating **	M	Issue No.	1361 (cont)	
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:39605						
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. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 20.59)].						
FS Date: 4/23/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39605\_62543.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	<b>20.65</b>	Rating **	M	Issue No.	<b>1361 (cont)</b>
LM End	<b>20.65</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39605\_62545.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	21.13	Rating **	M	Issue No.	1362
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:39606					
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. (DWR UCIP - W. Wylie)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 21.08)].					
FS Date: 4/23/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39606\_62549.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	21.13	Rating **	M	Issue No.	1362 (cont)
LM End	21.13	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39606\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	21.13	Rating **	M	Issue No.	1362 (cont)	
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:39606 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 21.08)]. FS Date: 4/23/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39606\_62550.jpg



Headwall and pipe visible on LS toe.

LM Start	21.45	Rating **	M	Issue No.	120
LM End	21.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.092064 °	37.092064 °
				-120.537750 °	-120.537750 °
DWR ID	DWR_NA0010_05_f_2017_120				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair holes dug at the landside toe.					

Photo 1 of 1 : SP\_2019\_NA0010\_123\_120\_20190307\_00022.jpg



Looking southeast at the landside toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	21.48	Rating **	M	Issue No.	1363
LM End	21.48	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				
Comment Code					
Inspector Comment					
FS_ID:39614 DS_ID:19786 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. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12.7 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 21.42)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39614\_62555.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	<b>21.48</b>	Rating **	M	Issue No.	<b>1363 (cont)</b>
LM End	<b>21.48</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39614\_62556.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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	21.48	Rating **	M	Issue No.	1363 (cont)	
LM End	21.48	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					
Comment Code						
Inspector Comment						
FS_ID:39614 DS_ID:19786 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. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12.7 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 21.42)]. FS Date: 4/23/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39614\_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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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	21.91	Rating **	M	Issue No.	1364
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				
Comment Code					
Inspector Comment					
FS_ID:39883 DS_ID:19787 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. (DWR UCIP - W. Wylie) 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 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, (HLM 21.81)]. FS Date: 4/23/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39883\_62559.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	<b>21.91</b>	Rating **	M	Issue No.	<b>1364 (cont)</b>
LM End	<b>21.91</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39883\_62558.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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	21.91	Rating **	M	Issue No.	1364 (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					
Comment Code						
Inspector Comment						
FS_ID:39883						
DS_ID:19787						
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. (DWR UCIP - W. Wylie)						
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 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, (HLM 21.81)].						
FS Date: 4/23/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39883\_62560.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	21.95	Rating **	M	Issue No.	1365	
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:39610						
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. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 21.85)].						
FS Date: 4/23/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39610\_62586.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	<b>21.95</b>	Rating **	M	Issue No.	<b>1365 (cont)</b>
LM End	<b>21.95</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39610\_62588.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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	21.95	Rating **	M	Issue No.	1365 (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					
Comment Code						
Inspector Comment						
FS_ID:39610						
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. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 21.85)].						
FS Date: 4/23/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39610\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	22.28	Rating **	M	Issue No.	1366	
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:39611 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 22.19)]. FS Date: 4/23/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39611\_62591.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	<b>22.28</b>	Rating **	M	Issue No.	<b>1366 (cont)</b>
LM End	<b>22.28</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39611\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	22.28	Rating **	M	Issue No.	1366 (cont)	
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:39611 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 22.19)]. FS Date: 4/23/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39611\_62592.jpg



Headwall and pipe visible on LS toe.

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	Erosion / Bank Caving			37.082696 °	37.082696 °
				-120.527620 °	-120.527620 °
DWR ID	DWR_NA0010_05_f_2017_121				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Waterside slope damaged by animal traffic.					

Photo 1 of 1 : SP\_2019\_NA0010\_123\_121\_20190307\_00023.jpg



Looking southeast at the waterside 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	22.55	Rating **	M	Issue No.	1367
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:39613 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 22.46)]. FS Date: 4/23/2014					

LM Start	22.55	Rating **	M	Issue No.	1367 (cont)
LM End	22.55	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_39613\_62596.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_39613\_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                      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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	22.55	Rating **	M	Issue No.	1367 (cont)	
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:39613 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 22.46)]. FS Date: 4/23/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39613\_62597.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	22.89	Rating **	M	Issue No.	1368	
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					
Comment Code						
Inspector Comment						
FS_ID:39616 DS_ID:19791 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 22.79)]. FS Date: 4/23/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39616\_62601.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	<b>22.89</b>	Rating **	M	Issue No.	<b>1368 (cont)</b>
LM End	<b>22.89</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39616\_62600.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                      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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	22.89	Rating **	M	Issue No.	1368 (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					
Comment Code						
Inspector Comment						
FS_ID:39616 DS_ID:19791 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 22.79)]. FS Date: 4/23/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39616\_62602.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	23.03	Rating **	M	Issue No.	1369	
LM End	23.03	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:39617 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 22.94)]. FS Date: 4/23/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39617\_62606.jpg



Headwall, pipe, and flapgate visible on WS toe.

LM Start	<b>23.03</b>	Rating **	M	Issue No.	<b>1369 (cont)</b>
LM End	<b>23.03</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39617\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	23.03	Rating **	M	Issue No.	1369 (cont)	
LM End	23.03	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:39617 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 22.94)]. FS Date: 4/23/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39617\_62607.jpg



Headwall and pipe visible on LS toe.

LM Start	23.24	Rating **	A/W	Issue No.	160
LM End	23.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.073064 °	37.072946 °
				-120.516771 °	-120.516634 °
DWR ID	DWR_NA0010_05_f_2018_160				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There is slope damage caused by livestock on waterside.					

Photo 1 of 1 : SP\_2019\_NA0010\_123\_160\_20190307\_00051.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	23.25	Rating **	A/W	Issue No.	1371
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:32763 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 23.15)]. FS Date: 3/25/2014 9:04:45 AM					

Photo 1 of 3 : UCIP\_SP\_2019\_32763\_59262.jpg



Concrete headwall on WS toe.

LM Start	<b>23.25</b>	Rating **	A/W	Issue No.	<b>1371 (cont)</b>
LM End	<b>23.25</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_32763\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	23.25	Rating **	A/W	Issue No.	1371 (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				
Comment Code					
Inspector Comment					
FS_ID:32763					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 23.15)].					
FS Date: 3/25/2014 9:04:45 AM					

Photo 3 of 3 : UCIP\_SP\_2019\_32763\_59261.jpg



Concrete headwall on LS toe.

LM Start	23.69	Rating **	M	Issue No.	186
LM End	34.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.068208 °	36.980570 °
				-120.511511 °	-120.368275 °
DWR ID	DWR_NA0010_05_s_2019_186				
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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	23.72	Rating **	M	Issue No.	1372
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:39621 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 23.62)]. FS Date: 3/25/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39621\_59272.jpg



Concrete headwall on WS toe.

LM Start	<b>23.72</b>	Rating **	M	Issue No.	<b>1372 (cont)</b>
LM End	<b>23.72</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39621\_59270.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	23.72	Rating **	M	Issue No.	1372 (cont)
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:39621 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 23.62)]. FS Date: 3/25/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_39621\_59271.jpg



Concrete headwall on LS toe.

LM Start	24.02	Rating **	M	Issue No.	1373
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:39620 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 23.85)]. FS Date: 3/25/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39620\_59282.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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	24.02	Rating **	M	Issue No.	1373 (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					
Comment Code						
Inspector Comment						
FS_ID:39620 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 23.85)]. FS Date: 3/25/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39620\_59280.jpg



Flapgate at Concrete headwall on WS toe.

LM Start	<b>24.02</b>	Rating **	M	Issue No.	<b>1373 (cont)</b>
LM End	<b>24.02</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39620\_59281.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	24.28	Rating **	M	Issue No.	1374
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:46850 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 24.18)]. FS Date: 3/25/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_46850\_59287.jpg



Concrete headwall at WS toe.

LM Start	<b>24.28</b>	Rating **	M	Issue No.	<b>1374 (cont)</b>
LM End	<b>24.28</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_46850\_59285.jpg



Flapgate at 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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	24.28	Rating **	M	Issue No.	1374 (cont)	
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:46850 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 24.18)]. FS Date: 3/25/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_46850\_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 M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	24.56	Rating **	M	Issue No.	1375
LM End	24.56	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:39623 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 24.46)]. FS Date: 3/25/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39623\_59292.jpg



Concrete headwall on WS toe.

LM Start	<b>24.56</b>	Rating **	M	Issue No.	<b>1375 (cont)</b>
LM End	<b>24.56</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39623\_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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	24.56	Rating **	M	Issue No.	1375 (cont)	
LM End	24.56	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:39623 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 24.46)]. FS Date: 3/25/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39623\_59291.jpg



Concrete headwall on LS toe.

LM Start	24.93	Rating **	A/W	Issue No.	1376
LM End	24.93	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:32786					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 24.82)].					
FS Date: 3/25/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_32786\_59297.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	24.93	Rating **	A/W	Issue No.	1376 (cont)	
LM End	24.93	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:32786 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 24.82)]. FS Date: 3/25/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_32786\_59295.jpg



Flapgate on concrete headwall on WS toe.

LM Start	<b>24.93</b>	Rating **	A/W	Issue No.	<b>1376 (cont)</b>
LM End	<b>24.93</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_32786\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	24.96	Rating **	A/W	Issue No.	1377
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:39624 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 24.87)]. FS Date: 3/25/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39624\_59302.jpg



Flapgate and channel off WS toe.

LM Start	<b>24.96</b>	Rating **	A/W	Issue No.	<b>1377 (cont)</b>
LM End	<b>24.96</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39624\_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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	24.96	Rating **	A/W	Issue No.	1377 (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					
Comment Code						
Inspector Comment						
FS_ID:39624 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 24.87)]. FS Date: 3/25/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39624\_59303.jpg



Flapgate on headwall at WS toe.

LM Start	24.98	Rating **	M	Issue No.	123
LM End	25.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.054150 °	37.051252 °
				-120.495964 °	-120.492368 °
DWR ID	DWR_NA0010_05_f_2017_123				
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\_2019\_NA0010\_123\_123\_20190307\_00024.jpg



Looking southwest 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	25.24	Rating **	M	Issue No.	1379
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:32789 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 25.43)]. FS Date: 3/25/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_32789\_59311.jpg



Concrete headwall and flapgate on WS toe.

LM Start	<b>25.24</b>	Rating **	M	Issue No.	<b>1379 (cont)</b>
LM End	<b>25.24</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_32789\_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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	25.24	Rating **	M	Issue No.	1379 (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				
Comment Code					
Inspector Comment					
FS_ID:32789 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 25.43)]. FS Date: 3/25/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_32789\_59310.jpg



Concrete headwall on LS toe.

LM Start	25.28	Rating **	M	Issue No.	9
LM End	25.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.051076 °	37.047042 °
				-120.492153 °	-120.488092 °
DWR ID	DWR_NA0010_05_s_2012_9				
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 along this section.					

Photo 1 of 1 : SP\_2019\_NA0010\_123\_9\_20190307\_00006.jpg



View of representative rodent burrow. (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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	25.61	Rating **	M	Issue No.	1380
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:39625 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 25.51)]. FS Date: 3/25/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39625\_59316.jpg



Concrete headwall on WS toe.

LM Start	<b>25.61</b>	Rating **	M	Issue No.	<b>1380 (cont)</b>
LM End	<b>25.61</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39625\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	25.61	Rating **	M	Issue No.	1380 (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				
Comment Code					
Inspector Comment					
FS_ID:39625 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 25.51)]. FS Date: 3/25/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_39625\_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					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_123\_124\_20190307\_00025.jpg



Looking east at the waterside 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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	25.63	Rating **	M	Issue No.	1381	
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:39626 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 25.53)]. FS Date: 3/25/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39626\_59321.jpg



Flapgate on headwall at WS toe.

LM Start	<b>25.63</b>	Rating **	M	Issue No.	<b>1381 (cont)</b>
LM End	<b>25.63</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39626\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	25.63	Rating **	M	Issue No.	1381 (cont)	
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:39626 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 25.53)]. FS Date: 3/25/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39626\_59319.jpg



Inside pipe on LS toe.

LM Start	26.19	Rating **	M	Issue No.	161
LM End	26.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.040289 °	37.040043 °
				-120.482988 °	-120.482795 °
DWR ID	DWR_NA0010_05_f_2018_161				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Waterside slope damage is caused by livestock foot traffic.					

Photo 1 of 1 : SP\_2019\_NA0010\_123\_161\_20190307\_00052.jpg



Slope damage on waterside. (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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	26.20	Rating **	M	Issue No.	1382
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:39627 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 26.11)]. FS Date: 3/25/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39627\_59341.jpg



Concrete headwall on WS toe.

LM Start	<b>26.20</b>	Rating **	M	Issue No.	<b>1382 (cont)</b>
LM End	<b>26.20</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39627\_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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	26.20	Rating **	M	Issue No.	1382 (cont)	
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:39627						
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. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 26.11)].						
FS Date: 3/25/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39627\_59342.jpg



Concrete headwall on LS toe.

LM Start	26.39	Rating **	A/W	Issue No.	1383
LM End	26.39	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				
Comment Code					
Inspector Comment					
FS_ID:32804 DS_ID:19807 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, 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 26.29)]. FS Date: 3/25/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_32804\_59347.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	26.39	Rating **	A/W	Issue No.	1383 (cont)
LM End	26.39	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				
Comment Code					
Inspector Comment					
FS_ID:32804 DS_ID:19807 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, 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 26.29)]. FS Date: 3/25/2014					

Photo 2 of 3 : UCIP\_SP\_2019\_32804\_59346.jpg



Concrete headwall on WS toe.

LM Start	<b>26.39</b>	Rating **	A/W	Issue No.	<b>1383 (cont)</b>
LM End	<b>26.39</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_32804\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	26.95	Rating **	M	Issue No.	1384 (cont)	
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:39628 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 26.85)]. FS Date: 3/25/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39628\_59348.jpg



Silt buildup in pipe at LS toe.

LM Start	26.97	Rating **	M	Issue No.	1385
LM End	26.97	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:32806 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 26.87)]. FS Date: 3/25/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_32806\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	26.97	Rating **	M	Issue No.	1385 (cont)	
LM End	26.97	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:32806 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 26.87)]. FS Date: 3/25/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_32806\_59355.jpg



Flapgate and Concrete headwall at WS toe.

LM Start	<b>26.97</b>	Rating **	M	Issue No.	<b>1385 (cont)</b>
LM End	<b>26.97</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_32806\_59354.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	27.00	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			37.032663 °	37.032659 °
				-120.472907 °	-120.472190 °
DWR ID	DWR_NA0010_05_f_2018_162				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to 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\_2019\_NA0010\_123\_162\_20190307\_00053.jpg



Rodent burrow noted with large quantity of material displaced. (Fall 2018)

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_f_2017_125					
Comment Code						
TR : Tree or limb						
Inspector Comment						

Photo 1 of 1 : SP\_2019\_NA0010\_123\_125\_20190307\_00026.jpg



Looking north at the landside slope.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	27.31	Rating **	A/W	Issue No.	1386
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:32807					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 27.22)].					
FS Date: 3/25/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_32807\_59358.jpg



Concrete headwall on WS toe.

LM Start	<b>27.31</b>	Rating **	A/W	Issue No.	<b>1386 (cont)</b>
LM End	<b>27.31</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_32807\_59359.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	27.31	Rating **	A/W	Issue No.	1386 (cont)	
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:32807						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 27.22)].						
FS Date: 3/25/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_32807\_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					

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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	28.27	Rating **	M	Issue No.	1387	
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:32823 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 28.17)]. FS Date: 3/25/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_32823\_59382.jpg



Concrete headwall on WS toe.

LM Start	<b>28.27</b>	Rating **	M	Issue No.	<b>1387 (cont)</b>
LM End	<b>28.27</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_32823\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	28.27	Rating **	M	Issue No.	1387 (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					
Comment Code						
Inspector Comment						
FS_ID:32823 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 28.17)]. FS Date: 3/25/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_32823\_59381.jpg



Concrete headwall on LS toe.

LM Start	28.79	Rating **	A/W	Issue No.	1388
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:32832 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 28.69)]. FS Date: 3/27/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_32832\_59420.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	28.79	Rating **	A/W	Issue No.	1388 (cont)	
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:32832 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 28.69)]. FS Date: 3/27/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_32832\_59419.jpg



Concrete headwall on LS toe.

LM Start	<b>28.79</b>	Rating **	A/W	Issue No.	<b>1388 (cont)</b>
LM End	<b>28.79</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_32832\_59418.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	29.43	Rating **	M	Issue No.	164
LM End	29.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.023481 °	37.021442 °
				-120.435960 °	-120.434564 °
DWR ID	DWR_NA0010_05_f_2018_164				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There is slope damage on waterside from livestock traffic.					

Photo 1 of 1 : SP\_2019\_NA0010\_123\_164\_20190307\_00054.jpg



Slope damage from animal traffic. (Fall 2018)

LM Start	29.58	Rating **	M	Issue No.	1390
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:39884 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 29.49)]. FS Date: 3/27/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39884\_59414.jpg



Concrete headwall on WS toe.

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	29.68	Rating **	M	Issue No.	171
LM End	29.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.020272 °	37.018712 °
				-120.433737 °	-120.432682 °
DWR ID	DWR_NA0010_05_s_2014_171				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
There is waterside erosion caused by livestock.					

Photo 1 of 2 : SP\_2019\_NA0010\_123\_171\_20190307\_00059.jpg



Looking south at animal erosion on waterward slope.

LM Start	<b>29.68</b>	Rating **	M	Issue No.	<b>171 (cont)</b>
LM End	<b>29.80</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2019\_NA0010\_123\_171\_20190307\_00060.jpg



Looking north at animal erosion on waterward slope.

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	29.82	Rating **	M	Issue No.	1391
LM End	29.82	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				
Comment Code					
Inspector Comment					
FS_ID:39631					
DS_ID:19754					
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. (DWR UCIP - W. Wylie)					
FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 29.72)].					
FS Date: 3/27/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39631\_59424.jpg



Concrete headwall on WS toe.

LM Start	<b>29.82</b>	Rating **	M	Issue No.	<b>1391 (cont)</b>
LM End	<b>29.82</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39631\_59426.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	29.82	Rating **	M	Issue No.	1391 (cont)	
LM End	29.82	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					
Comment Code						
Inspector Comment						
FS_ID:39631 DS_ID:19754 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. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 29.72)]. FS Date: 3/27/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39631\_59425.jpg



Concrete headwall on LS toe.

LM Start	29.88	Rating **	M	Issue No.	129
LM End	31.19	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.017748 °	37.002885 °
				-120.432013 °	-120.417550 °
DWR ID	DWR_NA0010_05_f_2017_129				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	29.89	Rating **	M	Issue No.	16
LM End	29.97	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

LM Start	29.98	Rating **	C	Issue No.	128
LM End	31.19	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.016456 °	37.002885 °
				-120.431120 °	-120.417550 °
DWR ID	DWR_NA0010_05_f_2017_128				
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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	30.14	Rating **	M	Issue No.	1392
LM End	30.14	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:39632 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 30.04)]. FS Date: 3/27/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39632\_59430.jpg



Concrete headwall on WS toe.

LM Start	<b>30.14</b>	Rating **	M	Issue No.	<b>1392 (cont)</b>
LM End	<b>30.14</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39632\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	30.14	Rating **	M	Issue No.	1392 (cont)	
LM End	30.14	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:39632						
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. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 30.04)].						
FS Date: 3/27/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39632\_59429.jpg



Concrete headwall on LS toe.

LM Start	30.31	Rating **	M	Issue No.	133
LM End	30.31	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.012273 °	37.012273 °
				-120.428244 °	-120.428244 °
DWR ID	DWR_NA0010_05_s_2018_133				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
There is a minor depression on levee crown. Possible sink hole.					

Photo 1 of 2 : SP\_2019\_NA0010\_123\_133\_20190307\_00032.jpg



Looking east at depression on levee crown. (Spring 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	30.31	Rating **	M	Issue No.	133 (cont)	
LM End	30.31	Issue Type +	Ma	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Crown Surface / Depressions / Rutting			37.012273 °		37.012273 °
				-120.428244 °		-120.428244 °
DWR ID	DWR_NA0010_05_s _ 2018_133					
Comment Code						
C2 : Repair depressions or ruts in the crown or slope.						
Inspector Comment						
There is a minor depression on levee crown. Possible sink hole.						

Photo 2 of 2 : SP\_2019\_NA0010\_123\_133\_20190307\_00033.jpg



Looking north at depression on levee crown. (Spring 2018)

LM Start	30.33	Rating **	M	Issue No.	187
LM End	30.33	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.011992 °	37.011992 °
				-120.428050 °	-120.428050 °
DWR ID	DWR_NA0010_05_s _ 2019_187				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	31.06	Rating **	M	Issue No.	1393	
LM End	31.06	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:39633						
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. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 30.96)].						
FS Date: 3/27/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39633\_59435.jpg



Concrete headwall on WS toe.

LM Start	<b>31.06</b>	Rating **	M	Issue No.	<b>1393 (cont)</b>
LM End	<b>31.06</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39633\_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                      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**

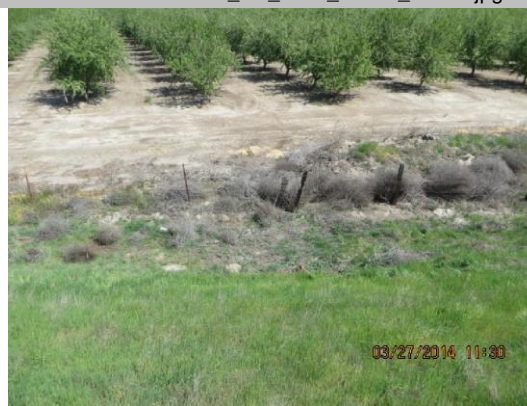
## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	31.06	Rating **	M	Issue No.	1393 (cont)	
LM End	31.06	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:39633 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 30.96)]. FS Date: 3/27/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39633\_59434.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	31.30	Rating **	M	Issue No.	1394
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:39643 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 31.19)]. FS Date: 3/27/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39643\_59439.jpg



Concrete headwall on WS toe.

LM Start	<b>31.30</b>	Rating **	M	Issue No.	<b>1394 (cont)</b>
LM End	<b>31.30</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39643\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	31.30	Rating **	M	Issue No.	1394 (cont)	
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:39643 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 31.19)]. FS Date: 3/27/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39643\_59438.jpg



Concrete headwall on LS toe.

LM Start	31.74	Rating **	A/W	Issue No.	1395
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:39644					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 31.64)].					
FS Date: 3/27/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39644\_59444.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	31.74	Rating **	A/W	Issue No.	1395 (cont)	
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:39644						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 31.64)].						
FS Date: 3/27/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39644\_59442.jpg



Concrete headwall on WS toe.

LM Start	<b>31.74</b>	Rating **	A/W	Issue No.	<b>1395 (cont)</b>
LM End	<b>31.74</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39644\_59443.jpg



Concrete headwall on LS toe. Note tumbleweeds blocking inlet.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	31.80	Rating **	M	Issue No.	1396
LM End	31.80	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				
Comment Code					
Inspector Comment					
FS_ID:39645					
DS_ID:19700					
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. (DWR UCIP - W. Wylie)					
FIELD_STRUCT_DESC: 30-inch by 30-inch 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 with flashboard attachment. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 31.71)].					
FS Date: 4/1/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39645\_59686.jpg



Concrete headwall at channel on WS toe.

LM Start	<b>31.80</b>	Rating **	M	Issue No.	<b>1396 (cont)</b>
LM End	<b>31.80</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39645\_59687.jpg



Flapgate on Concrete headwall at channel 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	31.80	Rating **	M	Issue No.	1396 (cont)	
LM End	31.80	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					
Comment Code						
Inspector Comment						
FS_ID:39645						
DS_ID:19700						
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. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 30-inch by 30-inch 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 with flashboard attachment. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 31.71)].						
FS Date: 4/1/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39645\_59685.jpg



Concrete headwall on LS toe.

LM Start	32.32	Rating **	M	Issue No.	1397
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:39646					
DS_ID:19701					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 04/01/2014 Some silt buildup inside culvert. (DWR UCIP - W. Wylie)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 32.22)].					
FS Date: 4/1/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39646\_59690.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	32.32	Rating **	M	Issue No.	1397 (cont)	
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:39646 DS_ID:19701 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/01/2014 Some silt buildup inside culvert. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 32.22)]. FS Date: 4/1/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39646\_59688.jpg



Flapgate on Concrete headwall at WS toe.

LM Start	<b>32.32</b>	Rating **	M	Issue No.	<b>1397 (cont)</b>
LM End	<b>32.32</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39646\_59689.jpg



Concrete headwall 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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	33.11	Rating **	M	Issue No.	1398	
LM End	33.11	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					
Comment Code						
Inspector Comment						
FS_ID:39647 DS_ID:19702 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. Debris buildup blocking landward headwall--recommend contacting owner to clear debris. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 33.01)]. FS Date: 4/1/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39647\_59697.jpg



Concrete headwall at WS toe.

LM Start	<b>33.11</b>	Rating **	M	Issue No.	<b>1398 (cont)</b>
LM End	<b>33.11</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39647\_59699.jpg



Flapgate on Concrete headwall at WS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	33.11	Rating **	M	Issue No.	1398 (cont)	
LM End	33.11	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					
Comment Code						
Inspector Comment						
FS_ID:39647 DS_ID:19702 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. Debris buildup blocking landward headwall--recommend contacting owner to clear debris. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 33.01)]. FS Date: 4/1/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39647\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	33.81	Rating **	M	Issue No.	1399	
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:39648						
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. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 33.72)].						
FS Date: 4/1/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39648\_59701.jpg



Concrete headwall at WS toe.

LM Start	<b>33.81</b>	Rating **	M	Issue No.	<b>1399 (cont)</b>
LM End	<b>33.81</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39648\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	33.81	Rating **	M	Issue No.	1399 (cont)	
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:39648						
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. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 33.72)].						
FS Date: 4/1/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39648\_59702.jpg



Concrete headwall at LS toe.

LM Start	33.82	Rating **	M	Issue No.	130
LM End	33.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.976849 °	36.976849 °
				-120.382393 °	-120.382393 °
DWR ID	DWR_NA0010_05_f_2017_130				
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\_2019\_NA0010\_123\_130\_20190307\_00029.jpg



Looking east at the landside 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.85	04/09/2019 04/10/2019	Corey Fujitani

LM Start	33.84	Rating **	C	Issue No.	188
LM End	34.59	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.976944 °	36.978529 °
				-120.382127 °	-120.368742 °
DWR ID	DWR_NA0010_05_s_2019_188				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

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_2018_176				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

LM Start	34.60	Rating **	M	Issue No.	189
LM End	34.77	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.978519 °	36.980570 °
				-120.368624 °	-120.368275 °
DWR ID	DWR_NA0010_05_s_2019_189				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	0.46	Rating **	M	Issue No.	94
LM End	0.46	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	0.78	Rating **	M	Issue No.	1213
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:36565 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.86)]. FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36565\_66346.jpg



Overview 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	0.78	Rating **	M	Issue No.	1213 (cont)	
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:36565 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.86)]. FS Date: 4/18/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_36565\_66345.jpg



Concrete structure located on waterward toe.

LM Start	<b>0.78</b>	Rating **	M	Issue No.	<b>1213 (cont)</b>
LM End	<b>0.78</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_36565\_66344.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	0.97	Rating **	M	Issue No.	62
LM End	1.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.268366 °	37.259076 °
				-120.812706 °	-120.802346 °
DWR ID	DWR_NA0010_06_s_2019_62				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_124\_62\_20190418\_00190.jpg



View of landside slope looking upstream. (Spring 2019)

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 2 : SP\_2019\_NA0010\_124\_93\_20190307\_00040.jpg



View of landside slope. (Fall 2018)

LM Start	<b>1.18</b>	Rating **	U	Issue No.	<b>93 (cont)</b>
LM End	<b>1.18</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_124\_93\_20190307\_00041.jpg



View and measurement of large rodent hole found at this location. (Fall 2018)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	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.	1214
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:36566 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.95)]. FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36566\_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                      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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	1.87	Rating **	M	Issue No.	1214 (cont)	
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:36566 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.95)]. FS Date: 4/18/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_36566\_66350.jpg



View of waterward side.

LM Start	<b>1.87</b>	Rating **	M	Issue No.	<b>1214 (cont)</b>
LM End	<b>1.87</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_36566\_66349.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	2.09	Rating **	M	Issue No.	63
LM End	2.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.257719 °	37.253828 °
				-120.799424 °	-120.786602 °
DWR ID	DWR_NA0010_06_s_2019_63				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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 2 : SP\_2019\_NA0010\_124\_92\_20190307\_00038.jpg



View of large rodent holes in landside slope. (Fall 2018)

LM Start	<b>2.42</b>	Rating **	U	Issue No.	<b>92 (cont)</b>
LM End	<b>2.42</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_124\_92\_20190307\_00039.jpg



Measurement of large burrow. (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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	2.53	Rating **	M	Issue No.	1215
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:39464 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.61)]. FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39464\_66354.jpg



View of waterward side.

LM Start	<b>2.53</b>	Rating **	M	Issue No.	<b>1215 (cont)</b>
LM End	<b>2.53</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39464\_66357.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	2.53	Rating **	M	Issue No.	1215 (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				
Comment Code					
Inspector Comment					
FS_ID:39464 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.61)]. FS Date: 4/18/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_39464\_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\_2019\_NA0010\_124\_76\_20190307\_00024.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	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	2.57	Rating **	M	Issue No.	1216	
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:36568 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.65)]. FS Date: 4/18/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36568\_66362.jpg



Overview of levee crown at crossing.

LM Start	<b>2.57</b>	Rating **	M	Issue No.	<b>1216 (cont)</b>
LM End	<b>2.57</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36568\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	2.57	Rating **	M	Issue No.	1216 (cont)	
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:36568 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.65)]. FS Date: 4/18/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36568\_66359.jpg



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

LM Start	2.77	Rating **	M	Issue No.	1217
LM End	2.77	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				
Comment Code					
Inspector Comment					
FS_ID:36569					
DS_ID:19820					
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. (DWR UCIP - O. Magana)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.85)].					
FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36569\_66369.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	2.77	Rating **	M	Issue No.	1217 (cont)	
LM End	2.77	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					
Comment Code						
Inspector Comment						
FS_ID:36569 DS_ID:19820 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.85)]. FS Date: 4/18/2014						

LM Start	<b>2.77</b>	Rating **	M	Issue No.	<b>1217 (cont)</b>
LM End	<b>2.77</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36569\_66368.jpg



Overview of levee crown at crossing.

Photo 3 of 3 : UCIP\_SP\_2019\_36569\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	3.01	Rating **	M	Issue No.	1218
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:36583					
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. (DWR UCIP - O. Magana)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.09)].					
FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36583\_66381.jpg



View of waterward side.

LM Start	<b>3.01</b>	Rating **	M	Issue No.	<b>1218 (cont)</b>
LM End	<b>3.01</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36583\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	3.01	Rating **	M	Issue No.	1218 (cont)	
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:36583 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.09)]. FS Date: 4/18/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36583\_66383.jpg



View of landward side.

LM Start	3.21	Rating **	M	Issue No.	1219	
LM End	3.21	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					
Comment Code						
Inspector Comment						
FS_ID:36584 DS_ID:19822 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 waterward slope and landward toe (headwall blocked by dense vegetation). Recommend removing vegetation from landward toe. (DWR UCIP - O. Magana) 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 each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.29)]. FS Date: 4/18/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36584\_66384.jpg



Overview of levee crown and 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	3.21	Rating **	M	Issue No.	1219 (cont)	
LM End	3.21	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					
Comment Code						
Inspector Comment						
FS_ID:36584 DS_ID:19822 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 waterward slope and landward toe (headwall blocked by dense vegetation). Recommend removing vegetation from landward toe. (DWR UCIP - O. Magana) 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 each end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.29)]. FS Date: 4/18/2014						

LM Start	<b>3.21</b>	Rating **	M	Issue No.	<b>1219 (cont)</b>
LM End	<b>3.21</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36584\_66386.jpg



View of waterward side.

Photo 3 of 3 : UCIP\_SP\_2019\_36584\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	3.33	Rating **	M	Issue No.	71
LM End	3.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.252512 °	37.251096 °
				-120.780643 °	-120.771711 °
DWR ID	DWR_NA0010_06_s_2019_71				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_124\_71\_20190418\_00192.jpg



View of landside slope looking upstream. (Spring 2019)

LM Start	3.36	Rating **	M	Issue No.	73
LM End	3.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.252336 °	37.251592 °
				-120.780306 °	-120.777949 °
DWR ID	DWR_NA0010_06_s_2019_73				
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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	3.38	Rating **	M	Issue No.	1220
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:36585					
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. (DWR UCIP - O. Magana)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.43)].					
FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36585\_66389.jpg



Overview of levee crown at crossing.

LM Start	<b>3.38</b>	Rating **	M	Issue No.	<b>1220 (cont)</b>
LM End	<b>3.38</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36585\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	3.38	Rating **	M	Issue No.	1220 (cont)	
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:36585 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.43)]. FS Date: 4/18/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36585\_66391.jpg



View of landward side. No signs of concrete headwall only siphon breaker 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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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	3.47	Rating **	M	Issue No.	1222	
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					
Comment Code						
Inspector Comment						
FS_ID:39465 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.54)]. FS Date: 4/18/2014						

LM Start	<b>3.47</b>	Rating **	M	Issue No.	<b>1222 (cont)</b>
LM End	<b>3.47</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_39465\_66394.jpg



View of waterward side--cmp riser and concrete headwall visible.

Photo 2 of 3 : UCIP\_SP\_2019\_39465\_66395.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	3.47	Rating **	M	Issue No.	1222 (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					
Comment Code						
Inspector Comment						
FS_ID:39465 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.54)]. FS Date: 4/18/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39465\_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					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_124\_67\_20190307\_00017.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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	3.69	Rating **	M	Issue No.	1223	
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:39466						
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. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.77)].						
FS Date: 4/18/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39466\_66413.jpg



View of waterward side.

LM Start	<b>3.69</b>	Rating **	M	Issue No.	<b>1223 (cont)</b>
LM End	<b>3.69</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39466\_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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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	3.69	Rating **	M	Issue No.	1223 (cont)	
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:39466 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.77)]. FS Date: 4/18/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39466\_66411.jpg



View of flap gate visible on waterward side.

LM Start	3.89	Rating **	M	Issue No.	1224	
LM End	3.89	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					
Comment Code						
Inspector Comment						
FS_ID:39467 DS_ID:19827 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. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 6.7 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.97)]. FS Date: 4/18/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39467\_66407.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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	3.89	Rating **	M	Issue No.	1224 (cont)	
LM End	3.89	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					
Comment Code						
Inspector Comment						
FS_ID:39467 DS_ID:19827 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. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 6.7 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.97)]. FS Date: 4/18/2014						

LM Start	<b>3.89</b>	Rating **	M	Issue No.	<b>1224 (cont)</b>
LM End	<b>3.89</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39467\_66406.jpg



Slide gate inside CMP riser visible on waterward slope.

Photo 3 of 3 : UCIP\_SP\_2019\_39467\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	4.09	Rating **	M	Issue No.	1225	
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					
Comment Code						
Inspector Comment						
FS_ID:36606 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.17)]. FS Date: 4/18/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36606\_66418.jpg



View of waterward side.

LM Start	<b>4.09</b>	Rating **	M	Issue No.	<b>1225 (cont)</b>
LM End	<b>4.09</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36606\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	4.09	Rating **	M	Issue No.	1225 (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					
Comment Code						
Inspector Comment						
FS_ID:36606 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.17)]. FS Date: 4/18/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36606\_66416.jpg



Concrete headwall visible on landward side.

LM Start	4.33	Rating **	M	Issue No.	1226
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:36607 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.41)]. FS Date: 4/18/2014					

Photo 1 of 2 : UCIP\_SP\_2019\_36607\_66422.jpg



View of waterward side--concrete headwall and flap gate 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	4.33	Rating **	M	Issue No.	1226 (cont)	
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:36607 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.41)]. FS Date: 4/18/2014						

Photo 2 of 2 : UCIP\_SP\_2019\_36607\_66421.jpg



View of landward side--concrete headwall visible through dense vegetation.

LM Start	4.58	Rating **	M	Issue No.	75
LM End	8.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.244321 °	37.211283 °
				-120.761804 °	-120.706602 °
DWR ID	DWR_NA0010_06_s_2019_75				
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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	4.58	Rating **	M	Issue No.	77
LM End	8.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.244321 °	37.211283 °
				-120.761804 °	-120.706602 °
DWR ID	DWR_NA0010_06_s_2019_77				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.62	Rating **	M	Issue No.	1227
LM End	4.62	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				
Comment Code					
Inspector Comment					
FS_ID:39468 DS_ID:19830 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Sediment buildup inside crossing visible from landward side. Recommend clearing sediment buildup inside pipe and check wall integrity to determine condition. (DWR UCIP - O. Magana) 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 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, (HLM 4.70)]. FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39468\_66425.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                      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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	4.62	Rating **	M	Issue No.	1227 (cont)
LM End	4.62	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				
Comment Code					
Inspector Comment					
FS_ID:39468 DS_ID:19830 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Sediment buildup inside crossing visible from landward side. Recommend clearing sediment buildup inside pipe and check wall integrity to determine condition. (DWR UCIP - O. Magana) 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 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, (HLM 4.70)]. FS Date: 4/18/2014					

Photo 2 of 3 : UCIP\_SP\_2019\_39468\_66426.jpg



Inside view of CMP riser located on waterward.

LM Start	<b>4.62</b>	Rating **	M	Issue No.	<b>1227 (cont)</b>
LM End	<b>4.62</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39468\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	4.67	Rating **	M	Issue No.	1228
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:36609 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.75)]. FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36609\_66433.jpg



View of waterward side.

LM Start	<b>4.67</b>	Rating **	M	Issue No.	<b>1228 (cont)</b>
LM End	<b>4.67</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36609\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	4.67	Rating **	M	Issue No.	1228 (cont)
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:36609					
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. (DWR UCIP - O. Magana)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.75)].					
FS Date: 4/18/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_36609\_66431.jpg



View of landward side.

LM Start	4.86	Rating **	M	Issue No.	1229
LM End	4.86	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				
Comment Code					
Inspector Comment					
FS_ID:36610 DS_ID:19862 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 waterward slope to conduct proper inspection of structure. Also recommend removing dense vegetation blocking landward headwall. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.94)]. FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36610\_66436.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	4.86	Rating **	M	Issue No.	1229 (cont)
LM End	4.86	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				
Comment Code					
Inspector Comment					
FS_ID:36610 DS_ID:19862 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 waterward slope to conduct proper inspection of structure. Also recommend removing dense vegetation blocking landward headwall. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 4.94)]. FS Date: 4/18/2014					

Photo 2 of 3 : UCIP\_SP\_2019\_36610\_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>1229 (cont)</b>
LM End	<b>4.86</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_36610\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	5.26	Rating **	M	Issue No.	1230
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:39875 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.34)]. FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39875\_61599.jpg



View of waterward side.

LM Start	<b>5.26</b>	Rating **	M	Issue No.	<b>1230 (cont)</b>
LM End	<b>5.26</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39875\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	5.26	Rating **	M	Issue No.	1230 (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				
Comment Code					
Inspector Comment					
FS_ID:39875 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.34)]. FS Date: 4/18/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_39875\_61597.jpg



View of landward side.

LM Start	5.55	Rating **	M	Issue No.	1231
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:36611					
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. (DWR UCIP - O. Magana)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.63)].					
FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36611\_66441.jpg



Concrete headwall and 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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	5.55	Rating **	M	Issue No.	1231 (cont)
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:36611 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.63)]. FS Date: 4/18/2014					

Photo 2 of 3 : UCIP\_SP\_2019\_36611\_66440.jpg



View of waterward side--dense vegetation covers slope.

LM Start	5.55	Rating **	M	Issue No.	1231 (cont)
LM End	5.55	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_36611\_66439.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	5.98	Rating **	A/W	Issue No.	1232 (cont)
LM End	5.98	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:51312 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). (DWR UCIP - omagana)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. (DWR UCIP - omagana)4/18/2014 Need to contact owner. Sediment buildup in pipe visible on landside--recommend clearing. (DWR UCIP - omagana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.06)]. FS Date: 7/19/2016					

Photo 2 of 3 : UCIP\_SP\_2019\_51312\_75488.jpg



WS drainage path protected by rip rap.

LM Start	<b>5.98</b>	Rating **	A/W	Issue No.	<b>1232 (cont)</b>
LM End	<b>5.98</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_51312\_75489.jpg



Inside view of pipe from WS.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	6.06	Rating **	M	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

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	Slope Stability			37.235572 °	37.235572 °
				-120.738002 °	-120.738002 °
DWR ID	DWR_NA0010_06_f_2018_85				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Livestock damage to slope and shoulder of levee.					

Photo 1 of 1 : SP\_2019\_NA0010\_124\_85\_20190307\_00033.jpg



View of livestock damage on waterside slope. (Fall 2018)

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

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	Slope Stability			37.235570 °	37.235570 °
				-120.737998 °	-120.737998 °
DWR ID	DWR_NA0010_06_f_2018_84				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Damage to slope and crown from livestock.					

Photo 1 of 1 : SP\_2019\_NA0010\_124\_84\_20190307\_00032.jpg



Erosion to slope and into crown from livestock. (Fall 2018)

LM Start	6.44	Rating **	C	Issue No.	6
LM End	11.00	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.233587 °	37.187645 °
				-120.732480 °	-120.676996 °
DWR ID	DWR_NA0010_06_s_2012_6				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Levee crown should be regraded due to excessive rutting and potholes.					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	6.70	Rating **	A/W	Issue No.	1233
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:33984 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.79)]. FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_33984\_61628.jpg



Slide gate inside CMP riser and pipe visible on waterward side.

LM Start	<b>6.70</b>	Rating **	A/W	Issue No.	<b>1233 (cont)</b>
LM End	<b>6.70</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_33984\_61627.jpg



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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	6.89	Rating **	A/W	Issue No.	1234 (cont)
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:33985 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 6.97)]. FS Date: 4/18/2014					

Photo 2 of 3 : UCIP\_SP\_2019\_33985\_61639.jpg



Concrete headwall and CMP riser visible on waterward side.

LM Start	<b>6.89</b>	Rating **	A/W	Issue No.	<b>1234 (cont)</b>
LM End	<b>6.89</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_33985\_61638.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	6.92	Rating **	M	Issue No.	79
LM End	6.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.228054 °	37.228054 °
				-120.727428 °	-120.727428 °
DWR ID	DWR_NA0010_06_f_2018_79				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There is livestock damage to slope and shoulder of levee.					

Photo 1 of 1 : SP\_2019\_NA0010\_124\_79\_20190307\_00027.jpg



Damage to slope and shoulder from livestock. (Fall 2018)

LM Start	7.10	Rating **	M	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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	7.21	Rating **	M	Issue No.	1235
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:39471 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.29)]. FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39471\_61650.jpg



View of waterward side.

LM Start	7.21	Rating **	M	Issue No.	1235 (cont)
LM End	7.21	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39471\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	7.21	Rating **	M	Issue No.	1235 (cont)
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:39471 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.29)]. FS Date: 4/18/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_39471\_61648.jpg



View of landward side.

LM Start	7.56	Rating **	A/W	Issue No.	78
LM End	7.56	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			37.224113 °	37.224113 °
				-120.716887 °	-120.716887 °
DWR ID	DWR_NA0010_06_f_2018_78				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
There is cracking along the landside shoulder of the crown.					

Photo 1 of 2 : SP\_2019\_NA0010\_124\_78\_20190307\_00025.jpg



View of crack along crown looking downstream.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	7.56	Rating **	A/W	Issue No.	78 (cont)	
LM End	7.56	Issue Type +	Ma	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Cracking			37.224113 °		37.224113 °
				-120.716887 °		-120.716887 °
DWR ID	DWR_NA0010_06_f_2018_78					
Comment Code						
CR1 : Monitor and have inspected by geotechnical engineer.						
Inspector Comment						
There is cracking along the landside shoulder of the crown.						

Photo 2 of 2 : SP\_2019\_NA0010\_124\_78\_20190307\_00026.jpg



View of average depth of crack. (Fall 2018)

LM Start	7.66	Rating **	M	Issue No.	1236
LM End	7.66	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:39472 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.74)]. FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39472\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	7.66	Rating **	M	Issue No.	1236 (cont)	
LM End	7.66	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:39472 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 7.74)]. FS Date: 4/18/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39472\_66461.jpg



Pipe crosses levee at an angle.

LM Start	<b>7.66</b>	Rating **	M	Issue No.	<b>1236 (cont)</b>
LM End	<b>7.66</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39472\_66460.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	7.66	Rating **	M	Issue No.	74
LM End	7.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.222689°	37.222689°
				-120.716400°	-120.716400°
DWR ID	DWR_NA0010_06_f_2018_74				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Damage to levee slope from livestock access.					

Photo 1 of 1 : SP\_2019\_NA0010\_124\_74\_20190307\_00023.jpg



Slope damage from livestock. (Fall 2018)

LM Start	8.08	Rating **	M	Issue No.	65
LM End	8.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.217199°	37.217199°
				-120.713374°	-120.713374°
DWR ID	DWR_NA0010_06_f_2017_65				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Livestock damage to levee slope.					

Photo 1 of 1 : SP\_2019\_NA0010\_124\_65\_20190307\_00015.jpg



Looking southwest at the landside slope.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	8.13	Rating **	M	Issue No.	1237
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:39473 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.21)]. FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39473\_61674.jpg



View of waterward side.

LM Start	<b>8.13</b>	Rating **	M	Issue No.	<b>1237 (cont)</b>
LM End	<b>8.13</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39473\_61673.jpg



Pipe crosses levee at an angle.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	8.13	Rating **	M	Issue No.	1237 (cont)	
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:39473 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.21)]. FS Date: 4/18/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39473\_61672.jpg



Concrete headwall and flap gate visible on waterward side.

LM Start	8.43	Rating **	M	Issue No.	1238	
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:39474 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.51)]. FS Date: 4/18/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39474\_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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	8.43	Rating **	M	Issue No.	1238 (cont)	
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:39474 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.51)]. FS Date: 4/18/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39474\_61684.jpg



View of landward side.

LM Start	<b>8.43</b>	Rating **	M	Issue No.	<b>1238 (cont)</b>
LM End	<b>8.43</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39474\_61683.jpg



Pipe crosses levee at an angle.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	10.53	Rating **	M	Issue No.	89
LM End	10.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.192577 °	37.191077 °
				-120.682954 °	-120.681205 °
DWR ID	DWR_NA0010_06_s_2019_89				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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\_2019\_NA0010\_124\_14\_20190307\_00014.jpg



Looking west at tree on waterward slope.

LM Start	11.72	Rating **	M	Issue No.	95
LM End	15.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.185829 °	37.158656 °
				-120.664611 °	-120.619656 °
DWR ID	DWR_NA0010_06_f_2018_95				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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





**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	11.74	Rating **	M	Issue No.	1248 (cont)	
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:39476						
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. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 11.82)].						
FS Date: 4/17/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39476\_66487.jpg



View of landward side.

LM Start	11.74	Rating **	M	Issue No.	1248 (cont)
LM End	11.74	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39476\_66486.jpg



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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	13.22	Rating **	M	Issue No.	1249
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:39477					
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. (DWR UCIP - O. Magana)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.30)].					
FS Date: 4/17/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39477\_66492.jpg



View of levee crown at crossing.

LM Start	13.22	Rating **	M	Issue No.	1249 (cont)
LM End	13.22	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39477\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	14.36	Rating **	M	Issue No.	1250 (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					
Comment Code						
Inspector Comment						
FS_ID:39478 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 14.44)]. FS Date: 4/17/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39478\_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>1250 (cont)</b>
LM End	<b>14.36</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39478\_66498.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	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\_2019\_NA0010\_124\_101\_20190307\_00043.jpg



View of rodent hole on landside shoulder. (Fall 2018)

LM Start	15.46	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			37.158920 °	37.157217 °
				-120.620232 °	-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

LM Start	15.50	Rating **	U	Issue No.	104
LM End	15.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.158632 °	37.156358 °
				-120.619631 °	-120.616420 °
DWR ID	DWR_NA0010_06_f_2018_104				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_124\_104\_20190418\_00195.jpg



View of vegetation on landside slope looking upstream. (Spring 2019)

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	15.68	Rating **	M	Issue No.	1251	
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:39480 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.76)]. FS Date: 4/17/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39480\_66507.jpg



Flap gate buried halfway on waterward side.

LM Start	<b>15.68</b>	Rating **	M	Issue No.	<b>1251 (cont)</b>
LM End	<b>15.68</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39480\_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                      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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	15.68	Rating **	M	Issue No.	1251 (cont)	
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:39480 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.76)]. FS Date: 4/17/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39480\_66505.jpg



Overview of levee crown at crossing.

LM Start	15.71	Rating **	M	Issue No.	117
LM End	16.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.156690 °	37.153354 °
				-120.616877 °	-120.612293 °
DWR ID	DWR_NA0010_06_s_2019_117				
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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	15.74	Rating **	M	Issue No.	118
LM End	16.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.156358 °	37.149547 °
				-120.616420 °	-120.607464 °
DWR ID	DWR_NA0010_06_s_2019_118				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	15.82	Rating **	M	Issue No.	1252	
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					
Comment Code						
Inspector Comment						
FS_ID:36663						
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 form landward side. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.91)].						
FS Date: 4/17/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36663\_66530.jpg



View of waterward side, Photo 1 of 3.

* 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	15.82	Rating **	M	Issue No.	1252 (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					
Comment Code						
Inspector Comment						
FS_ID:36663						
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 form landward side. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 15.91)].						
FS Date: 4/17/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_36663\_66526.jpg



View of waterward side, photo 2 of 3.

LM Start	<b>15.82</b>	Rating **	M	Issue No.	<b>1252 (cont)</b>
LM End	<b>15.82</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_36663\_66529.jpg



View of waterward side, photo 3 of 3.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	17.39	Rating **	M	Issue No.	119
LM End	18.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.137844 °	37.126952 °
				-120.597755 °	-120.590467 °
DWR ID	DWR_NA0010_06_s _ 2019_119				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	17.52	Rating **	M	Issue No.	120
LM End	18.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.136211 °	37.126979 °
				-120.596670 °	-120.590478 °
DWR ID	DWR_NA0010_06_s _ 2019_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	18.20	Rating **	M	Issue No.	1254	
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:39876 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.27)]. FS Date: 4/17/2014						

No Photos

LM Start	18.85	Rating **	M	Issue No.	106
LM End	19.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.118766 °	37.112362 °
				-120.586997 °	-120.589531 °
DWR ID	DWR_NA0010_06_f_2018_106				
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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	18.89	Rating **	M	Issue No.	1256	
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:36687						
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. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.97)].						
FS Date: 4/17/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36687\_66579.jpg



View of waterward side.

LM Start	<b>18.89</b>	Rating **	M	Issue No.	<b>1256 (cont)</b>
LM End	<b>18.89</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36687\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	18.89	Rating **	M	Issue No.	1256 (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					
Comment Code						
Inspector Comment						
FS_ID:36687						
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. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 18.97)].						
FS Date: 4/17/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36687\_66581.jpg



Pipe daylight on waterward side.

LM Start	18.98	Rating **	M	Issue No.	105
LM End	19.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.116882 °	37.112362 °
				-120.586696 °	-120.589531 °
DWR ID	DWR_NA0010_06_s_2019_105				
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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	19.14	Rating **	U	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 noted on the waterside slope.					

LM Start	19.14	Rating **	U	Issue No.	1211 (cont)
LM End	19.14	Issue Type +	Ma	Location *	WS

Photo 1 of 5 : SP\_2019\_NA0010\_124\_1211\_20190307\_00053.jpg



Looking at rodent hole on waterward slope. Spring 2016

Photo 2 of 5 : SP\_2019\_NA0010\_124\_1211\_20190307\_00054.jpg



Looking at several rodent holes on waterward slope. (Fall 2015)

LM Start	19.14	Rating **	U	Issue No.	1211 (cont)
LM End	19.14	Issue Type +	Ma	Location *	WS

Photo 3 of 5 : SP\_2019\_NA0010\_124\_1211\_20190307\_00055.jpg



Looking at close-up view of large rodent hole on waterward slope. (Spring 2015)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	19.14	Rating **	U	Issue No.	1211 (cont)	
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 noted on the waterside slope.						

LM Start	19.14	Rating **	U	Issue No.	1211 (cont)
LM End	19.14	Issue Type +	Ma	Location *	WS

Photo 4 of 5 : SP\_2019\_NA0010\_124\_1211\_20190307\_00056.jpg



Looking at large rodent hole on waterward slope. Spring 2015

Photo 5 of 5 : SP\_2019\_NA0010\_124\_1211\_20190307\_00057.jpg



Looking west at several rodent holes on waterward slope. Spring 2015

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

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	19.28	Rating **	M	Issue No.	1257	
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:36688 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.36)]. FS Date: 4/17/2014						

LM Start	<b>19.28</b>	Rating **	M	Issue No.	<b>1257 (cont)</b>
LM End	<b>19.28</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_36688\_66583.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2019\_36688\_66584.jpg



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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	19.28	Rating **	M	Issue No.	1257 (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					
Comment Code						
Inspector Comment						
FS_ID:36688 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.36)]. FS Date: 4/17/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36688\_66586.jpg



View of landward slope.

LM Start	19.94	Rating **	M	Issue No.	1258	
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:36689						
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. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.85)].						
FS Date: 4/17/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36689\_66591.jpg



Overview of levee crown looking downstream.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	19.94	Rating **	M	Issue No.	1258 (cont)	
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:36689						
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. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 19.85)].						
FS Date: 4/17/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_36689\_66592.jpg



View of levee crown at crossing.

LM Start	<b>19.94</b>	Rating **	M	Issue No.	<b>1258 (cont)</b>
LM End	<b>19.94</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_36689\_66590.jpg



View of "U" 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

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	Erosion / Bank Caving			37.113107 °	37.109735 °
				-120.563782 °	-120.560079 °
DWR ID	DWR_NA0010_06_s_2015_1209				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion on landside slope greater than 3 inches. Erosion caused by livestock.					

Photo 1 of 2 : SP\_2019\_NA0010\_124\_1209\_20190307\_00051.jpg



Looking north at livestock erosion on landward slope.

LM Start	<b>20.79</b>	Rating **	M	Issue No.	<b>1209 (cont)</b>
LM End	<b>21.10</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_124\_1209\_20190307\_00052.jpg



Looking northeast at livestock erosion on landward slope.

LM Start	21.71	Rating **	M	Issue No.	107
LM End	21.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.102844 °	37.102002 °
				-120.553160 °	-120.552314 °
DWR ID	DWR_NA0010_06_f_2018_107				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion into levee prism due to livestock activities.					

Photo 1 of 3 : SP\_2019\_NA0010\_124\_107\_20190418\_00197.jpg



View of erosion in landside levee prism. (Spring 2019)

**\* Location**

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

**\*\* Rating**

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

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	21.71	Rating **	M	Issue No.	107 (cont)	
LM End	21.78	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.102844 °		37.102002 °
				-120.553160 °		-120.552314 °
DWR ID	DWR_NA0010_06_f_2018_107					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Erosion into levee prism due to livestock activities.						

Photo 2 of 3 : SP\_2019\_NA0010\_124\_107\_20190418\_00196.jpg



View of erosion looking upstream. (Spring 2019)

LM Start	<b>21.71</b>	Rating **	M	Issue No.	<b>107 (cont)</b>
LM End	<b>21.78</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP\_2019\_NA0010\_124\_107\_20190307\_00046.jpg



Erosion into levee prism from livestock. (Fall 2018)

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	Slope Stability			37.094969 °	37.094479 °
				-120.544964 °	-120.544435 °
DWR ID	DWR_NA0010_06_f_2017_86				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Erosion greater than 3 inches on landside slope caused by livestock.					

Photo 1 of 1 : SP\_2019\_NA0010\_124\_86\_20190307\_00034.jpg



Looking northwest at the 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	24.26	Rating **	C	Issue No.	108
LM End	24.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.074764 °	°
				-120.523108 °	°
DWR ID	DWR_NA0010_06_f_2018_108				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	24.51	Rating **	M	Issue No.	5
LM End	25.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.072048 °	37.066501 °
				-120.520180 °	-120.514193 °
DWR ID	DWR_NA0010_06_s_2012_5				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Landside erosion caused by livestock extends into landward shoulder. Erosion beginning to eat into the crown of the levee.					

LM Start	<b>24.51</b>	Rating **	M	Issue No.	<b>5 (cont)</b>
LM End	<b>25.01</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 4 : SP\_2019\_NA0010\_124\_5\_20190307\_00008.jpg



Looking north at livestock erosion into landward shoulder. (Spring 2018)

Photo 2 of 4 : SP\_2019\_NA0010\_124\_5\_20190307\_00009.jpg



Looking north at livestock erosion on landward slope. (Spring 2015)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	24.51	Rating **	M	Issue No.	5 (cont)	
LM End	25.01	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			37.072048 °		37.066501 °
				-120.520180 °		-120.514193 °
DWR ID	DWR_NA0010_06_s _ 2012_5					
Comment Code						
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comment						
Landside erosion caused by livestock extends into landward shoulder.						
Erosion beginning to eat into the crown of the levee.						

Photo 3 of 4 : SP\_2019\_NA0010\_124\_5\_20190307\_00010.jpg



Looking north at livestock erosion on landward slope. (Spring 2014)

LM Start	<b>24.51</b>	Rating **	M	Issue No.	<b>5 (cont)</b>
LM End	<b>25.01</b>	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : SP\_2019\_NA0010\_124\_5\_20190307\_00011.jpg



Looking north at livestock erosion on landside slope. (Fall 2014)

LM Start	25.02	Rating **	M	Issue No.	121
LM End	27.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.066377 °	37.034413 °
				-120.514043 °	-120.482457 °
DWR ID	DWR_NA0010_06_s _ 2019_121				
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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

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					
A1 : Exterminate rodents and 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\_2019\_NA0010\_124\_1208\_20190307\_00050.jpg



Rodent holes on landward slope.

LM Start	26.14	Rating **	M	Issue No.	122
LM End	27.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.054175 °	37.042520 °
				-120.500803 °	-120.488656 °
DWR ID	DWR_NA0010_06_s_2019_122				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	26.82	Rating **	M	Issue No.	109
LM End	27.07	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.047101 °	37.043995 °
				-120.492157 °	-120.489814 °
DWR ID	DWR_NA0010_06_f_2018_109				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	27.43	Rating **	M	Issue No.	3
LM End	27.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.036955 °	37.032887 °
				-120.484395 °	-120.481225 °
DWR ID	DWR_NA0010_06_s_2012_3				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Landside erosion caused by livestock. Erosion greater than 3" in depth on landside slope. Levee crown has narrowed within this reach.					

Photo 1 of 3 : SP\_2019\_NA0010\_124\_3\_20190418\_00199.jpg



Looking south along landside slope. (Spring 2019)

LM Start	<b>27.43</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>27.97</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP\_2019\_NA0010\_124\_3\_20190307\_00004.jpg



Looking north at livestock erosion on landward slope. Fall 2015

LM Start	<b>27.43</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>27.97</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP\_2019\_NA0010\_124\_3\_20190307\_00007.jpg



Looking north at livestock erosion on landward slope. (Spring 2013)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	<b>27.70</b>	Rating **	M	Issue No.	<b>123</b>
LM End	<b>27.85</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.036223 °	37.034413 °	
			-120.483842 °	-120.482457 °	
DWR ID	DWR_NA0010_06_s _ 2019_123				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>28.01</b>	Rating **	M	Issue No.	<b>126</b>
LM End	<b>28.48</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.032478 °	37.029940 °	
			-120.480805 °	-120.473241 °	
DWR ID	DWR_NA0010_06_s _ 2019_126				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>28.47</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>28.83</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.029937 °	37.030108 °	
			-120.473384 °	-120.466867 °	
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.					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	29.62	Rating **	C	Issue No.	111
LM End	29.68	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.030443 °	37.030443 °
				-120.452575 °	-120.452575 °
DWR ID	DWR_NA0010_06_f_2018_111				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	30.81	Rating **	M	Issue No.	1207
LM End	31.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.021615 °	37.018428 °
				-120.437587 °	-120.435378 °
DWR ID	DWR_NA0010_06_s_2015_1207				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Landside erosion greater than 1" in depth and greater than 3" in length. Erosion is caused by livestock traffic.					

Photo 1 of 2 : SP\_2019\_NA0010\_124\_1207\_20190307\_00048.jpg



Looking northeast at livestock erosion on landward slope.

LM Start	<b>30.81</b>	Rating **	M	Issue No.	<b>1207 (cont)</b>
LM End	<b>31.06</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_124\_1207\_20190307\_00049.jpg



Looking south at livestock erosion on 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	31.10	Rating **	U	Issue No.	2
LM End	31.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.017955 °	37.017955 °
				-120.435017 °	-120.435017 °
DWR ID	DWR_NA0010_06_s_2012_2				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

LM Start	31.10	Rating **	U	Issue No.	2 (cont)
LM End	31.10	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : SP\_2019\_NA0010\_124\_2\_20190307\_00001.jpg



Looking west at rodent holes on landside slope and toe near fence line.

Photo 2 of 2 : SP\_2019\_NA0010\_124\_2\_20190307\_00002.jpg



Looking at typical rodent hole on landside slope.

LM Start	31.14	Rating **	U	Issue No.	82
LM End	31.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.017445 °	37.017445 °
				-120.434713 °	-120.434713 °
DWR ID	DWR_NA0010_06_f_2017_82				
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\_2019\_NA0010\_124\_82\_20190307\_00030.jpg



Looking east at the waterside slope.

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	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\_2019\_NA0010\_124\_81\_20190307\_00029.jpg



Looking west at the landside slope.

LM Start	32.59	Rating **	M	Issue No.	113
LM End	33.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.000931 °	36.988561 °
				-120.418729 °	-120.405021 °
DWR ID	DWR_NA0010_06_f_2018_113				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	32.62	Rating **	M	Issue No.	129
LM End	32.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.000645 °	36.997930 °
				-120.418415 °	-120.415406 °
DWR ID	DWR_NA0010_06_s_2019_129				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Slope damage from livestock. Damage is beginning to erode into levee crown.					

Photo 1 of 1 : SP\_2019\_NA0010\_124\_129\_20190418\_00207.jpg



Erosion from animal activity along the landside slope. (Spring 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.47	03/27/2019 03/28/2019	Corey Fujitani

LM Start	35.83	Rating **	U	Issue No.	131
LM End	36.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.974391 °	36.974226 °
				-120.374734 °	-120.363405 °
DWR ID	DWR_NA0010_06_s_2019_131				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_124\_131\_20190418\_00208.jpg



View of vegetation along landside slope. (Spring 2019)

LM Start	35.83	Rating **	U	Issue No.	132
LM End	36.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.974391 °	36.974225 °
				-120.374734 °	-120.363404 °
DWR ID	DWR_NA0010_06_s_2019_132				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_124\_132\_20190418\_00209.jpg



Vegetation along waterside slope looking upstream. (Spring 2019)

<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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.01	Rating **	M	Issue No.	22
LM End	1.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.255614 °	37.264431 °
				-120.772242 °	-120.756672 °
DWR ID	DWR_NA0010_07_s_2019_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_125\_22\_20190423\_00047.jpg



View of waterside slope looking downstream. (Spring 2019)

LM Start	0.01	Rating **	M	Issue No.	17
LM End	1.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.255615 °	37.264277 °
				-120.772242 °	-120.752093 °
DWR ID	DWR_NA0010_07_s_2019_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_125\_17\_20190423\_00048.jpg



View of landside slope looking downstream. (Spring 2019)

<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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.07	Rating **	M	Issue No.	30
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:49966					
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. (DWR UCIP - omagana)04/15/2014 Flapgate partially blocked by soil buildup at WS toe. (DWR UCIP - W. Wylie)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.07)].					
FS Date: 7/20/2016					

Photo 1 of 3 : UCIP\_SP\_2019\_49966\_60954.jpg



Pipe and headwall at WS toe.

LM Start	<b>0.07</b>	Rating **	M	Issue No.	<b>30 (cont)</b>
LM End	<b>0.07</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_49966\_60955.jpg



Pipe, headwall, and flapgate at WS toe. Soil buildup partially blocking flapgate.

<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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.07	Rating **	M	Issue No.	30 (cont)	
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:49966						
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. (DWR UCIP - omagana)04/15/2014 Flapgate partially blocked by soil buildup at WS toe. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.07)].						
FS Date: 7/20/2016						

Photo 3 of 3 : UCIP\_SP\_2019\_49966\_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 2 : SP\_2019\_NA0010\_125\_29\_20190307\_00012.jpg



Looking north at 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.24	Rating **	M	Issue No.	29 (cont)	
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 2 of 2 : SP\_2019\_NA0010\_125\_29\_20190307\_00013.jpg



Looking at typical view of rodent holes on landward slope.

LM Start	0.33	Rating **	A/W	Issue No.	31
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:33712 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.33)]. FS Date: 4/15/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_33712\_60958.jpg



Pipe 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.33	Rating **	A/W	Issue No.	31 (cont)	
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:33712 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.33)]. FS Date: 4/15/2014						

LM Start	<b>0.33</b>	Rating **	A/W	Issue No.	<b>31 (cont)</b>
LM End	<b>0.33</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_33712\_60957.jpg



Pipe, headwall, and flapgate on WS toe.

Photo 3 of 3 : UCIP\_SP\_2019\_33712\_60959.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.49	Rating **	M	Issue No.	32
LM End	0.49	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:33713					
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. (DWR UCIP - W. Wylie)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.49)].					
FS Date: 4/15/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_33713\_60963.jpg



Slide gate in CMP riser on WS slope.

LM Start	<b>0.49</b>	Rating **	M	Issue No.	<b>32 (cont)</b>
LM End	<b>0.49</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_33713\_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 N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.49	Rating **	M	Issue No.	32 (cont)	
LM End	0.49	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:33713 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.49)]. FS Date: 4/15/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_33713\_60964.jpg



Pipe and headwall on LS toe.

LM Start	0.53	Rating **	M	Issue No.	18
LM End	0.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.259097 °	37.259097 °
				-120.764846 °	-120.764846 °
DWR ID	DWR_NA0010_07_f_2018_18				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There is livestock damage to the landside slope.					

Photo 1 of 2 : SP\_2019\_NA0010\_125\_18\_20190307\_00008.jpg



View of damage from livestock looking upstream. (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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.53	Rating **	M	Issue No.	18 (cont)	
LM End	0.53	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Slope Stability			37.259097 °	37.259097 °	
				-120.764846 °	-120.764846 °	
DWR ID	DWR_NA0010_07_f_2018_18					
Comment Code						
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comment						
There is livestock damage to the landside slope.						

Photo 2 of 2 : SP\_2019\_NA0010\_125\_18\_20190307\_00009.jpg



View of damage looking down landside slope. (2018)

LM Start	0.53	Rating **	A/W	Issue No.	33
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:33723					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.53)].					
FS Date: 4/15/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_33723\_60981.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.53	Rating **	A/W	Issue No.	33 (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					
Comment Code						
Inspector Comment						
FS_ID:33723 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.53)]. FS Date: 4/15/2014						

LM Start	<b>0.53</b>	Rating **	A/W	Issue No.	<b>33 (cont)</b>
LM End	<b>0.53</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_33723\_60983.jpg



Flapgate on concrete headwall at WS toe.

Photo 3 of 3 : UCIP\_SP\_2019\_33723\_60982.jpg



Headwall, pipe, and wier 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

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	Slope Stability			37.261337 °	37.261337 °
				-120.763303 °	-120.763303 °
DWR ID	DWR_NA0010_07_f_2018_19				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There is livestock damage to the landside slope.					

Photo 1 of 1 : SP\_2019\_NA0010\_125\_19\_20190307\_00010.jpg



Damage to landside slope from livestock. (Fall 2018)

LM Start	0.85	Rating **	M	Issue No.	34
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:39507					
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. (DWR UCIP - W. Wylie)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.85)].					
FS Date: 4/15/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39507\_60986.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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.85	Rating **	M	Issue No.	34 (cont)	
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:39507						
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. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.85)].						
FS Date: 4/15/2014						

LM Start	<b>0.85</b>	Rating **	M	Issue No.	<b>34 (cont)</b>
LM End	<b>0.85</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39507\_60988.jpg



Headwall and flapgate on WS toe.

Photo 3 of 3 : UCIP\_SP\_2019\_39507\_60987.jpg



Concrete riser, concrete headwall, weir, 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.94	Rating **	A/W	Issue No.	35
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				
Comment Code					
Inspector Comment					
FS_ID:33725 DS_ID:19897 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.94)]. FS Date: 4/15/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_33725\_60991.jpg



Concrete headwall and flapgate at WS toe.

LM Start	<b>0.94</b>	Rating **	A/W	Issue No.	<b>35 (cont)</b>
LM End	<b>0.94</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_33725\_60993.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.94	Rating **	A/W	Issue No.	35 (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				
Comment Code					
Inspector Comment					
FS_ID:33725 DS_ID:19897 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.94)]. FS Date: 4/15/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_33725\_60992.jpg



Concrete headwall and pipe on LS toe.

LM Start	1.17	Rating **	A/W	Issue No.	36
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:33726					
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. USACE San Joaquin					
O&M Manual 601.1, 1967, (HLM 1.17)].					
FS Date: 4/15/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_33726\_60996.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

LM Start	1.17	Rating **	A/W	Issue No.	36 (cont)	
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:33726						
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. USACE San Joaquin						
O&M Manual 601.1, 1967, (HLM 1.17)].						
FS Date: 4/15/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_33726\_60995.jpg



Flapgate at headwall on WS toe.

LM Start	1.17	Rating **	A/W	Issue No.	36 (cont)
LM End	1.17	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_33726\_60997.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

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					

Photo 1 of 2 : SP\_2019\_NA0010\_125\_1\_20190307\_00001.jpg



Looking north at several rodent holes on landward slope.

LM Start	1.22	Rating **	M	Issue No.	1 (cont)
LM End	1.22	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_125\_1\_20190307\_00002.jpg



Looking at east at active rodent holes on landside berm.

LM Start	1.49	Rating **	M	Issue No.	16
LM End	1.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.263999 °	37.263999 °
				-120.750854 °	-120.750854 °
DWR ID	DWR_NA0010_07_f_2017_16				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Repair slope damaged by animal traffic.					

Photo 1 of 1 : SP\_2019\_NA0010\_125\_16\_20190307\_00007.jpg



Looking east 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	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 2 : SP\_2019\_NA0010\_125\_6\_20190307\_00003.jpg



Looking at typical view of rodent holes within this section. (Spring 2018)

LM Start	<b>1.50</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>1.51</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_125\_6\_20190307\_00004.jpg



Looking northwest at 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

LM Start	1.50	Rating **	A/W	Issue No.	37
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:33727					
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. USACE San Joaquin O&M					
Manual 601.1, 1967, (HLM 1.51)].					
FS Date: 4/15/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_33727\_61001.jpg



Pipe, headwall and flapgate on WS toe.

LM Start	1.50	Rating **	A/W	Issue No.	37 (cont)
LM End	1.50	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_33727\_61003.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

LM Start	1.50	Rating **	A/W	Issue No.	37 (cont)	
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:33727						
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. USACE San Joaquin O&M						
Manual 601.1, 1967, (HLM 1.51)].						
FS Date: 4/15/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_33727\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

LM Start	1.85	Rating **	M	Issue No.	20
LM End	1.85	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.261671 °	37.261671 °
				-120.745115 °	-120.745115 °
DWR ID	DWR_NA0010_07_f_2018_20				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

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	Slope Stability			37.261379 °	37.261379 °
				-120.744228 °	-120.744228 °
DWR ID	DWR_NA0010_07_f_2018_21				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_125\_21\_20190307\_00011.jpg



Slope damage from livestock. (Fall 2018)

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 2 : SP\_2019\_NA0010\_125\_12\_20190307\_00005.jpg



Looking east at rodent hole next to fence post on landward 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

LM Start	2.09	Rating **	M	Issue No.	12 (cont)	
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 2 of 2 : SP\_2019\_NA0010\_125\_12\_20190307\_00006.jpg



Looking at rodent activity next to fence post

LM Start	2.10	Rating **	U	Issue No.	23
LM End	3.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.259143 °	37.254768 °
				-120.742473 °	-120.719829 °
DWR ID	DWR_NA0010_07_s_2019_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_125\_23\_20190423\_00049.jpg



View of landside slope looking upstream. (Spring 2019)

LM Start	2.10	Rating **	U	Issue No.	24
LM End	3.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.259143 °	37.254768 °
				-120.742473 °	-120.719829 °
DWR ID	DWR_NA0010_07_s_2019_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_125\_24\_20190423\_00050.jpg



View of waterside slope looking upstream. (Spring 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

LM Start	2.48	Rating **	A/W	Issue No.	38
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:33728					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.48)].					
FS Date: 4/15/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_33728\_61006.jpg



Headwall and flapgate on WS toe.

LM Start	<b>2.48</b>	Rating **	A/W	Issue No.	<b>38 (cont)</b>
LM End	<b>2.48</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_33728\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

LM Start	2.48	Rating **	A/W	Issue No.	38 (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					
Comment Code						
Inspector Comment						
FS_ID:33728						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.48)].						
FS Date: 4/15/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_33728\_61007.jpg



Concrete headwall and pipe on LS toe.

LM Start	2.63	Rating **	A/W	Issue No.	39
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:33729 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.64)]. FS Date: 4/15/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_33729\_61011.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

LM Start	2.63	Rating **	A/W	Issue No.	39 (cont)	
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:33729 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.64)]. FS Date: 4/15/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_33729\_61010.jpg



Concrete headwall and flapgate on WS toe.

LM Start	<b>2.63</b>	Rating **	A/W	Issue No.	<b>39 (cont)</b>
LM End	<b>2.63</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_33729\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

LM Start	3.09	Rating **	M	Issue No.	40
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:39508 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.09)]. FS Date: 4/15/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39508\_61016.jpg



Headwall, pipe, and flapgate on WS toe.

LM Start	<b>3.09</b>	Rating **	M	Issue No.	<b>40 (cont)</b>
LM End	<b>3.09</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39508\_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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	04/09/2019 04/09/2019	Corey Fujitani

LM Start	3.09	Rating **	M	Issue No.	40 (cont)	
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:39508 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.09)]. FS Date: 4/15/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39508\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	26
LM End	0.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.253056 °	37.262271 °
				-120.768426 °	-120.760832 °
DWR ID	DWR_NA0010_08_s _ 2019_26				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.16	Rating **	M	Issue No.	27
LM End	0.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.255213 °	37.262271 °
				-120.768694 °	-120.760832 °
DWR ID	DWR_NA0010_08_s _ 2019_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.23	Rating **	A/W	Issue No.	28
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:33751					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.23)].					
FS Date: 4/16/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_33751\_61068.jpg



Headwall and flapgate on WS toe.

LM Start	<b>0.23</b>	Rating **	A/W	Issue No.	<b>28 (cont)</b>
LM End	<b>0.23</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_33751\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.23	Rating **	A/W	Issue No.	28 (cont)	
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:33751						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.23)].						
FS Date: 4/16/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_33751\_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

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.57	Rating **	A/W	Issue No.	29	
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:33752						
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. USACE San Joaquin O&M						
Manual 601.1, 1967, (HLM 0.57)].						
FS Date: 4/16/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_33752\_61073.jpg



Pipe, flapgate and headwall on WS toe.

LM Start	<b>0.57</b>	Rating **	A/W	Issue No.	<b>29 (cont)</b>
LM End	<b>0.57</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_33752\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.57	Rating **	A/W	Issue No.	29 (cont)
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:33752					
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. USACE San Joaquin O&M					
Manual 601.1, 1967, (HLM 0.57)].					
FS Date: 4/16/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_33752\_61074.jpg



Pipe and headwall on LS toe.

LM Start	0.72	Rating **	A/W	Issue No.	30
LM End	0.72	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:33753					
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. USACE San Joaquin O&M Manual 601.1, 1967,					
(HLM 0.72)].					
FS Date: 4/16/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_33753\_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                      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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.72	Rating **	A/W	Issue No.	30 (cont)	
LM End	0.72	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:33753 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.72)]. FS Date: 4/16/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_33753\_61080.jpg



Headwall and flapgate at WS toe.

LM Start	<b>0.72</b>	Rating **	A/W	Issue No.	<b>30 (cont)</b>
LM End	<b>0.72</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_33753\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.90	Rating **	M	Issue No.	31
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:39887 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.89)]. FS Date: 4/16/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39887\_61084.jpg



Headwall, pipe, and flapgate on WS toe.

LM Start	<b>0.90</b>	Rating **	M	Issue No.	<b>31 (cont)</b>
LM End	<b>0.90</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39887\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.90	Rating **	M	Issue No.	31 (cont)	
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:39887						
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. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.89)].						
FS Date: 4/16/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39887\_61085.jpg



Pipe and headwall on LS toe.

LM Start	1.20	Rating **	M	Issue No.	2
LM End	1.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.263182 °	37.263183 °
				-120.755650 °	-120.755637 °
DWR ID	DWR_NA0010_08_s_2012_2				
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\_2019\_NA0010\_126\_2\_20190307\_00001.jpg



Looking south at the landside 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	1.21	Rating **	M	Issue No.	32
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:39509 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.21)]. FS Date: 4/16/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39509\_61090.jpg



Concrete headwall, pipe, and flapgate on WS toe.

LM Start	1.21	Rating **	M	Issue No.	32 (cont)
LM End	1.21	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39509\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	1.21	Rating **	M	Issue No.	32 (cont)
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:39509 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.21)]. FS Date: 4/16/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_39509\_61089.jpg



Pipe and headwall on LS toe.

LM Start	1.32	Rating **	M	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

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	1.38	Rating **	M	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					

Photo 1 of 1 : SP\_2019\_NA0010\_126\_8\_20190307\_00005.jpg



Looking west at rodent holes on landward slope.

LM Start	1.38	Rating **	M	Issue No.	33
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:39510 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.38)]. FS Date: 4/16/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39510\_61094.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	1.38	Rating **	M	Issue No.	33 (cont)	
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:39510 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.38)]. FS Date: 4/16/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39510\_61093.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	<b>1.38</b>	Rating **	M	Issue No.	<b>33 (cont)</b>
LM End	<b>1.38</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39510\_61095.jpg



Animal burrows along alignment 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

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	2.01	Rating **	A/W	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					
A depression is noted on the levee crown.					

Photo 1 of 1 : SP\_2019\_NA0010\_126\_5\_20190307\_00004.jpg



Looking west at depression on toward landward shoulder.

LM Start	2.04	Rating **	M	Issue No.	25
LM End	3.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.258261 °	37.250761 °
				-120.742962 °	-120.728918 °
DWR ID	DWR_NA0010_08_s _ 2019_25				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	2.04	Rating **	U	Issue No.	23
LM End	3.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.258261 °	37.254014 °
				-120.742962 °	-120.718880 °
DWR ID	DWR_NA0010_08_s_2019_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_126\_23\_20190423\_00044.jpg



View of landside slope looking downstream. (Spring 2019)

LM Start	2.05	Rating **	M	Issue No.	34
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:39511 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.05)]. FS Date: 4/16/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39511\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	2.05	Rating **	M	Issue No.	34 (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					
Comment Code						
Inspector Comment						
FS_ID:39511 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.05)]. FS Date: 4/16/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39511\_61099.jpg



Pipe and headwall buried in sediment at LS toe.

LM Start	<b>2.05</b>	Rating **	M	Issue No.	<b>34 (cont)</b>
LM End	<b>2.05</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39511\_61097.jpg



Pipe and headwall buried in sediment 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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	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	Slope Stability			37.258076 °	37.258076 °
				-120.742439 °	-120.742439 °
DWR ID	DWR_NA0010_08_f_2018_22				
Comment Code					
Inspector Comment					
There is damage to the slope and shoulder from livestock.					

Photo 1 of 1 : SP\_2019\_NA0010\_126\_22\_20190307\_00007.jpg



Slope and shoulder damage from livestock. (Fall 2018)

LM Start	2.12	Rating **	M	Issue No.	35
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:39512 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.12)]. FS Date: 4/16/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39512\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	2.12	Rating **	M	Issue No.	35 (cont)	
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:39512 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.12)]. FS Date: 4/16/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39512\_61100.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	2.12	Rating **	M	Issue No.	35 (cont)
LM End	2.12	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39512\_61101.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	2.74	Rating **	A/W	Issue No.	20
LM End	2.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.252503 °	37.252503 °
				-120.733282 °	-120.733282 °
DWR ID	DWR_NA0010_08_f_2018_20				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There is minor erosion to the slope and shoulder.					

Photo 1 of 1 : SP\_2019\_NA0010\_126\_20\_20190307\_00006.jpg



Minor erosion to shoulder and slope from livestock. (Fall 2018)

LM Start	2.77	Rating **	A/W	Issue No.	36
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:33760					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.77)].					
FS Date: 4/16/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_33760\_61107.jpg



Pipe, headwall, and flapgate on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	2.77	Rating **	A/W	Issue No.	36 (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					
Comment Code						
Inspector Comment						
FS_ID:33760						
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. USACE San Joaquin O&M						
Manual 601.1, 1967, (HLM 2.77)].						
FS Date: 4/16/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_33760\_61105.jpg



Pipe, headwall, and flapgate on Ws toe.

LM Start	<b>2.77</b>	Rating **	A/W	Issue No.	<b>36 (cont)</b>
LM End	<b>2.77</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_33760\_61106.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	3.02	Rating **	U	Issue No.	24
LM End	3.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.250761 °	37.254014 °
				-120.728918 °	-120.718880 °
DWR ID	DWR_NA0010_08_s_2019_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_126\_24\_20190423\_00045.jpg



View of waterside slope looking downstream. (Spring 2019)

LM Start	3.06	Rating **	M	Issue No.	37
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:49969 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. (DWR UCIP - omagana)4/16/2014 Pipe blocked by silt on LS toe. Flapgate rusty and does not operate correctly. (DWR UCIP - wwylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.06)]. FS Date: 7/20/2016					

Photo 1 of 3 : UCIP\_SP\_2019\_49969\_61112.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	3.06	Rating **	M	Issue No.	37 (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					
Comment Code						
Inspector Comment						
FS_ID:49969 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 prooper inspection of structure and appurtenances. (DWR UCIP - omagana)4/16/2014 Pipe blocked by silt on LS toe. Flapgate rusty and does not operate correctly. (DWR UCIP - wwylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.06)]. FS Date: 7/20/2016						

Photo 2 of 3 : UCIP\_SP\_2019\_49969\_61113.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	<b>3.06</b>	Rating **	M	Issue No.	<b>37 (cont)</b>
LM End	<b>3.06</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_49969\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	3.24	Rating **	A/W	Issue No.	38
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:33764					
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. USACE San Joaquin O&M Manual 601.1, 1967,					
(HLM 3.24)].					
FS Date: 4/16/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_33764\_61128.jpg



Pipe, flapgate, and headwall on WS toe.

LM Start	<b>3.24</b>	Rating **	A/W	Issue No.	<b>38 (cont)</b>
LM End	<b>3.24</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_33764\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	3.24	Rating **	A/W	Issue No.	38 (cont)	
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:33764 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.24)]. FS Date: 4/16/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_33764\_61129.jpg



Pipe and headwall on LS toe.

LM Start	3.40	Rating **	M	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 2 : SP\_2019\_NA0010\_126\_3\_20190307\_00002.jpg



Looking east at the crown towards the landside.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	3.40	Rating **	M	Issue No.	3 (cont)	
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 2 of 2 : SP\_2019\_NA0010\_126\_3\_20190307\_00003.jpg



Looking at typical view of rodent holes on landward slope.

LM Start	3.43	Rating **	M	Issue No.	39
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:39513 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.43)]. FS Date: 4/16/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39513\_61134.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

LM Start	3.43	Rating **	M	Issue No.	39 (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					
Comment Code						
Inspector Comment						
FS_ID:39513 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.43)]. FS Date: 4/16/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39513\_61133.jpg



Pipe, headwall, and flapgate on WS toe.

LM Start	<b>3.43</b>	Rating **	M	Issue No.	<b>39 (cont)</b>
LM End	<b>3.43</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39513\_61132.jpg



Pipe likely at drainage swale 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	04/09/2019 04/09/2019	Corey Fujitani

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					

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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.02	Rating **	U	Issue No.	5
LM End	0.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.220005 °	37.220051 °
				-120.712852 °	-120.698286 °
DWR ID	DWR_NA0010_09_s_2019_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_127\_5\_20190426\_00015.jpg



View of landside slope looking upstream. (Spring 2019)

LM Start	0.02	Rating **	U	Issue No.	6
LM End	0.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.220005 °	37.220051 °
				-120.712852 °	-120.698286 °
DWR ID	DWR_NA0010_09_s_2019_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_127\_6\_20190426\_00013.jpg



View of waterside slope looking upstream. (Spring 2019)

<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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.47	Rating **	M	Issue No.	7	
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:39888 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.47)]. FS Date: 4/22/2014						

LM Start	<b>0.47</b>	Rating **	M	Issue No.	<b>7 (cont)</b>
LM End	<b>0.47</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_39888\_62119.jpg



Slide gate in CMP riser on WS slope with outlet visible in background.

Photo 2 of 3 : UCIP\_SP\_2019\_39888\_62117.jpg



Concrete headwall visible under water on WS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.47	Rating **	M	Issue No.	7 (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					
Comment Code						
Inspector Comment						
FS_ID:39888						
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. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.47)].						
FS Date: 4/22/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39888\_62118.jpg



Concrete headwall visible at inlet on LS toe.

LM Start	0.69	Rating **	M	Issue No.	8	
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:39515 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.70)]. FS Date: 4/22/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39515\_62128.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.69	Rating **	M	Issue No.	8 (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					
Comment Code						
Inspector Comment						
FS_ID:39515 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.70)]. FS Date: 4/22/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39515\_62132.jpg



Headwall, flapgate, and pipe on WS toe.

LM Start	<b>0.69</b>	Rating **	M	Issue No.	<b>8 (cont)</b>
LM End	<b>0.69</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39515\_62129.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	04/09/2019 04/09/2019	Corey Fujitani

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	Slope Stability			37.220041 °	37.220041 °
				-120.698425 °	-120.698425 °
DWR ID	DWR_NA0010_09_f_2017_4				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

LM Start	<b>0.86</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>0.86</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : SP\_2019\_NA0010\_127\_4\_20190307\_00001.jpg



View of slope erosion due to foot traffic. (Fall 2018)

Photo 2 of 2 : SP\_2019\_NA0010\_127\_4\_20190307\_00002.jpg



Looking northwest at landside slope. (Fall 2017)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.87	Rating **	A/W	Issue No.	9
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:34186 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.87)]. FS Date: 4/22/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_34186\_62134.jpg



48-inch CMP riser with slide gates on WS slope.

LM Start	<b>0.87</b>	Rating **	A/W	Issue No.	<b>9 (cont)</b>
LM End	<b>0.87</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_34186\_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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.87	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.87	Rating **	A/W	Issue No.	9 (cont)	
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:34186 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.87)]. FS Date: 4/22/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_34186\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Owens Creek Bypass	Left	0.80	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.01	Rating **	U	Issue No.	2
LM End	0.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.217967 °	37.219354 °
				-120.711414 °	-120.698032 °
DWR ID	DWR_NA0010_10_s_2019_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_128\_2\_20190426\_00005.jpg



View of waterside slope looking downstream. (Spring 2019)

LM Start	0.01	Rating **	U	Issue No.	3
LM End	0.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.217968 °	37.219354 °
				-120.711413 °	-120.698032 °
DWR ID	DWR_NA0010_10_s_2019_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_128\_3\_20190426\_00006.jpg



View of landside slope looking downstream. (Spring 2019)

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Owens Creek Bypass	Left	0.80	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.30	Rating **	M	Issue No.	5	
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:39516 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.31)]. FS Date: 4/22/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39516\_62144.jpg



Headwall and pipe visible on LS toe. Slide gate inside 48-inch CMP riser on WS slope.

LM Start	<b>0.30</b>	Rating **	M	Issue No.	<b>5 (cont)</b>
LM End	<b>0.30</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39516\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Owens Creek Bypass	Left	0.80	04/09/2019 04/09/2019	Corey Fujitani

LM Start	0.30	Rating **	M	Issue No.	5 (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					
Comment Code						
Inspector Comment						
FS_ID:39516 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.31)]. FS Date: 4/22/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39516\_62145.jpg



Headwall and pipe on LS toe. Pipe blocked by wooden cover.

LM Start	0.74	Rating **	A/W	Issue No.	4
LM End	0.76	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.219200 °	37.219258 °
				-120.699013 °	-120.698629 °
DWR ID	DWR_NA0010_10_f_2018_4				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are rodent holes in the crown.					

Photo 1 of 1 : SP\_2019\_NA0010\_128\_4\_20190307\_00001.jpg



View of rodent holes in crown of the levee (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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	03/26/2019 03/26/2019	Corey Fujitani

LM Start	0.01	Rating **	M	Issue No.	14
LM End	0.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.202736 °	37.202752 °
				-120.755013 °	-120.742177 °
DWR ID	DWR_NA0010_11_s_2019_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_129\_14\_20190419\_00029.jpg



View of waterside slope looking upstream. (Spring 2019)

LM Start	0.01	Rating **	M	Issue No.	13
LM End	0.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.202735 °	37.202752 °
				-120.755012 °	-120.742192 °
DWR ID	DWR_NA0010_11_s_2019_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_129\_13\_20190419\_00030.jpg



View of landside slope looking upstream. (Spring 2019)

LM Start	0.16	Rating **	M	Issue No.	10
LM End	0.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.202730 °	37.202730 °
				-120.752270 °	-120.752270 °
DWR ID	DWR_NA0010_11_f_2018_10				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Slope damage is from livestock crossing.					

Photo 1 of 2 : SP\_2019\_NA0010\_129\_10\_20190307\_00002.jpg



View looking upstream of 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	03/26/2019 03/26/2019	Corey Fujitani

LM Start	0.16	Rating **	M	Issue No.	10 (cont)	
LM End	0.16	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			37.202730 °		37.202730 °
				-120.752270 °		-120.752270 °
DWR ID	DWR_NA0010_11_f_2018_10					
Comment Code						
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comment						
Slope damage is from livestock crossing.						

Photo 2 of 2 : SP\_2019\_NA0010\_129\_10\_20190307\_00003.jpg



Looking north down the levee slope. (Fall 2018)

LM Start	0.21	Rating **	M	Issue No.	11
LM End	0.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.202731 °	37.202731 °
				-120.751389 °	-120.751389 °
DWR ID	DWR_NA0010_11_f_2018_11				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Damage is from livestock on the land and water side slopes.					

Photo 1 of 2 : SP\_2019\_NA0010\_129\_11\_20190307\_00004.jpg



View of slope damage on landside. (Fall 2018)

LM Start	<b>0.21</b>	Rating **	M	Issue No.	<b>11 (cont)</b>
LM End	<b>0.21</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_129\_11\_20190307\_00005.jpg



View of damage on waterside. (Fall 2018)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	03/26/2019 03/26/2019	Corey Fujitani

LM Start	0.42	Rating **	M	Issue No.	17
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:39517 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.42)]. FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39517\_66644.jpg



View of slide gate inside CMP riser located on waterward slope.

LM Start	<b>0.42</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>0.42</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39517\_66643.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	03/26/2019 03/26/2019	Corey Fujitani

LM Start	0.42	Rating **	M	Issue No.	17 (cont)	
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:39517						
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. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.42)].						
FS Date: 4/18/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39517\_66642.jpg



View of landward side.

LM Start	0.65	Rating **	M	Issue No.	18
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:39518					
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. (DWR UCIP - O. Magana)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.65)].					
FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39518\_61997.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	03/26/2019 03/26/2019	Corey Fujitani

LM Start	0.65	Rating **	M	Issue No.	18 (cont)	
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:39518						
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. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.65)].						
FS Date: 4/18/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39518\_61996.jpg



View of landward side.

LM Start	<b>0.65</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>0.65</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39518\_61999.jpg



Flap gate and concrete apron 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	03/26/2019 03/26/2019	Corey Fujitani

LM Start	0.84	Rating **	M	Issue No.	19
LM End	0.84	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:39519 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.84)]. FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39519\_62003.jpg



Overview of waterward side.

LM Start	<b>0.84</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>0.84</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39519\_62002.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	03/26/2019 03/26/2019	Corey Fujitani

LM Start	0.84	Rating **	M	Issue No.	19 (cont)	
LM End	0.84	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:39519 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.84)]. FS Date: 4/18/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39519\_62001.jpg



View of landward side.

LM Start	1.13	Rating **	M	Issue No.	20
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:39520 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.13)]. FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39520\_62008.jpg



View of waterward side--flap gate visible at levee 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	03/26/2019 03/26/2019	Corey Fujitani

LM Start	1.13	Rating **	M	Issue No.	20 (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				
Comment Code					
Inspector Comment					
FS_ID:39520 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.13)]. FS Date: 4/18/2014					

Photo 2 of 3 : UCIP\_SP\_2019\_39520\_62007.jpg



View of landward side.

LM Start	<b>1.13</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>1.13</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39520\_62006.jpg



Concrete headwall located 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	03/26/2019 03/26/2019	Corey Fujitani

LM Start	1.17	Rating **	M	Issue No.	15
LM End	2.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.202745 °	37.202725 °
				-120.733993 °	-120.706581 °
DWR ID	DWR_NA0010_11_s_2019_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.26	Rating **	M	Issue No.	16
LM End	2.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.202744 °	37.202725 °
				-120.732447 °	-120.706581 °
DWR ID	DWR_NA0010_11_s_2019_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.49	Rating **	M	Issue No.	9
LM End	1.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.202748 °	37.202748 °
				-120.728182 °	-120.728182 °
DWR ID	DWR_NA0010_11_f_2017_9				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_129\_9\_20190307\_00001.jpg



Looking northwest at landside slope.

<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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	03/26/2019 03/26/2019	Corey Fujitani

LM Start	1.49	Rating **	M	Issue No.	21
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:39521 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.50)]. FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39521\_62018.jpg



View of waterward side.

LM Start	<b>1.49</b>	Rating **	M	Issue No.	<b>21 (cont)</b>
LM End	<b>1.49</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39521\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	03/26/2019 03/26/2019	Corey Fujitani

LM Start	1.49	Rating **	M	Issue No.	21 (cont)	
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:39521						
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. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.50)].						
FS Date: 4/18/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39521\_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

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	03/26/2019 03/26/2019	Corey Fujitani

LM Start	1.98	Rating **	M	Issue No.	22
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:39522					
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. (DWR UCIP - O. Magana)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.99)].					
FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39522\_62024.jpg



View of waterward side.

LM Start	<b>1.98</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>1.98</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39522\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	03/26/2019 03/26/2019	Corey Fujitani

LM Start	1.98	Rating **	M	Issue No.	22 (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					
Comment Code						
Inspector Comment						
FS_ID:39522						
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. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.99)].						
FS Date: 4/18/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39522\_62023.jpg



View of landward side.

LM Start	2.46	Rating **	M	Issue No.	12
LM End	2.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.202712 °	37.202712 °
				-120.710633 °	-120.710633 °
DWR ID	DWR_NA0010_11_f_2018_12				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Damage is from livestock to both landside and waterside slopes.					

Photo 1 of 2 : SP\_2019\_NA0010\_129\_12\_20190307\_00006.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	03/26/2019 03/26/2019	Corey Fujitani

LM Start	2.46	Rating **	M	Issue No.	12 (cont)	
LM End	2.46	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			37.202712 °		37.202712 °
				-120.710633 °		-120.710633 °
DWR ID	DWR_NA0010_11_f_2018_12					
Comment Code						
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comment						
Damage is from livestock to both landside and waterside slopes.						

Photo 2 of 2 : SP\_2019\_NA0010\_129\_12\_20190307\_00007.jpg



View of waterside slope. (Fall 2018)

LM Start	3.04	Rating **	M	Issue No.	23	
LM End	3.04	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					
Comment Code						
Inspector Comment						
FS_ID:39523 DS_ID:19852 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. (DWR UCIP - O. Magana) 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. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.04)]. FS Date: 4/18/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39523\_62028.jpg



Overview of waterward side--flap gate, concrete headwall and apron visible on levee toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	03/26/2019 03/26/2019	Corey Fujitani

LM Start	3.04	Rating **	M	Issue No.	23 (cont)	
LM End	3.04	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					
Comment Code						
Inspector Comment						
FS_ID:39523 DS_ID:19852 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. (DWR UCIP - O. Magana) 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. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.04)]. FS Date: 4/18/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39523\_62027.jpg



View of landward side.

LM Start	<b>3.04</b>	Rating **	M	Issue No.	<b>23 (cont)</b>
LM End	<b>3.04</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39523\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	03/26/2019 03/26/2019	Corey Fujitani

LM Start	0.01	Rating **	M	Issue No.	12
LM End	2.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.200939 °	37.200921 °
				-120.755024 °	-120.703827 °
DWR ID	DWR_NA0010_12_f_2018_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_130\_12\_20190419\_00026.jpg



View of landside slope looking downstream. (Spring 2019)

LM Start	0.40	Rating **	M	Issue No.	15
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:36704					
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. (DWR UCIP - O. Magana)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.39)].					
FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36704\_66647.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	03/26/2019 03/26/2019	Corey Fujitani

LM Start	0.40	Rating **	M	Issue No.	15 (cont)	
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:36704 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.39)]. FS Date: 4/18/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_36704\_66649.jpg



Concrete headwall and flap gate visible on waterward side.

LM Start	<b>0.40</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>0.40</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_36704\_66648.jpg



View of waterward side--medium grass throughout 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	03/26/2019 03/26/2019	Corey Fujitani

LM Start	0.92	Rating **	M	Issue No.	13
LM End	1.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.200915 °	37.200915 °
				-120.738547 °	-120.734962 °
DWR ID	DWR_NA0010_12_s_2019_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.06	Rating **	M	Issue No.	16
LM End	1.06	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:39889					
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. (DWR UCIP - O. Magana)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.06)].					
FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39889\_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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	03/26/2019 03/26/2019	Corey Fujitani

LM Start	1.06	Rating **	M	Issue No.	16 (cont)	
LM End	1.06	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:39889						
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. (DWR UCIP - O. Magana)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.06)].						
FS Date: 4/18/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39889\_62049.jpg



Concrete headwall and flap gate visible on waterward side.

LM Start	<b>1.06</b>	Rating **	M	Issue No.	<b>16 (cont)</b>
LM End	<b>1.06</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39889\_62047.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	03/26/2019 03/26/2019	Corey Fujitani

LM Start	1.06	Rating **	M	Issue No.	14
LM End	1.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.200924 °	37.200923 °
				-120.735998 °	-120.735747 °
DWR ID	DWR_NA0010_12_f _ 2018_14				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Damage along slope is caused by livestock cutting into the 2:1 slope.					

No Photos

LM Start	1.27	Rating **	M	Issue No.	17	
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:36705 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.27)]. FS Date: 4/18/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_36705\_66654.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	03/26/2019 03/26/2019	Corey Fujitani

LM Start	1.27	Rating **	M	Issue No.	17 (cont)	
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:36705 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.27)]. FS Date: 4/18/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_36705\_66652.jpg



View of waterward slope.

LM Start	1.27	Rating **	M	Issue No.	17 (cont)
LM End	1.27	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_36705\_66653.jpg



View of concrete wall underwater.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	03/26/2019 03/26/2019	Corey Fujitani

LM Start	1.53	Rating **	M	Issue No.	18	
LM End	1.53	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					
Comment Code						
Inspector Comment						
FS_ID:34126 DS_ID:19858 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/18/2014 Limited access on landward side due to fence and dense vegetation. Recommend obtaining access to landward side and clear vegetation on landward side. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.53)]. FS Date: 4/18/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_34126\_62060.jpg



View of waterward side.

LM Start	<b>1.53</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>1.53</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_34126\_62061.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	03/26/2019 03/26/2019	Corey Fujitani

LM Start	2.16	Rating **	M	Issue No.	19 (cont)	
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:39506 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.16)]. FS Date: 4/18/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39506\_62063.jpg



Overview of levee crown at crossing.

LM Start	<b>2.16</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>2.16</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39506\_62062.jpg



Dense vegetation on landward side--limited access due to fence along 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	03/26/2019 03/26/2019	Corey Fujitani

LM Start	2.33	Rating **	M	Issue No.	1
LM End	2.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.200907 °	37.200907 °
				-120.712978 °	-120.712978 °
DWR ID	DWR_NA0010_12_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

LM Start	2.70	Rating **	M	Issue No.	20
LM End	2.70	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:39890					
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. (DWR UCIP - O. Magana)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.70)].					
FS Date: 4/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39890\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	03/26/2019 03/26/2019	Corey Fujitani

LM Start	2.70	Rating **	M	Issue No.	20 (cont)	
LM End	2.70	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:39890 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.70)]. FS Date: 4/18/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39890\_62070.jpg



Concrete headwall and flat gate located on waterward side.

LM Start	<b>2.70</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>2.70</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39890\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	03/26/2019 03/26/2019	Corey Fujitani

LM Start	3.00	Rating **	M	Issue No.	21	
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:46786 DS_ID:19861 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/09/2015 DWR Inspection section confirmed additional details for extent of repair. 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.00)]. FS Date: 11/10/2015 9:29:00 AM						

Photo 1 of 3 : UCIP\_SP\_2019\_46786\_62073.jpg



View of waterward side.

LM Start	<b>3.00</b>	Rating **	M	Issue No.	<b>21 (cont)</b>
LM End	<b>3.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_46786\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	03/26/2019 03/26/2019	Corey Fujitani

LM Start	3.00	Rating **	M	Issue No.	21 (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					
Comment Code						
Inspector Comment						
FS_ID:46786 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. 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 3.00)]. FS Date: 11/10/2015 9:29:00 AM						

Photo 3 of 3 : UCIP\_SP\_2019\_46786\_62072.jpg



Side view of concrete headwall which appears to be slightly slanted forward--missing soil behind headwall.

LM Start	3.00	Rating **	C	Issue No.	11
LM End	3.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				37.200936 °
					-120.696452 °
DWR ID	DWR_NA0010_12_f_2018_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Patches of dense vegetation is partially blocking view of 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	03/26/2019 03/26/2019	Corey Fujitani

LM Start	3.00	Rating **	C	Issue No.	10
LM End	3.02	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			37.200912 °	37.200916 °
				-120.700797 °	-120.700536 °
DWR ID	DWR_NA0010_12_f_2017_10				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
Cracking on crown near shoulder is approximately 75 feet long and should be monitored.					

No Photos

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	04/10/2019 04/10/2019	Corey Fujitani

LM Start	0.02	Rating **	M	Issue No.	4
LM End	1.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.033971 °	37.046304 °
				-120.442011 °	-120.428097 °
DWR ID	DWR_NA0010_13_s_2019_4				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_131\_4\_20190426\_00020.jpg



View of landside slope looking upstream. (Spring 2019)

LM Start	0.02	Rating **	M	Issue No.	10
LM End	1.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.033971 °	37.046304 °
				-120.442011 °	-120.428097 °
DWR ID	DWR_NA0010_13_s_2019_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_131\_10\_20190426\_00019.jpg



View of waterside slope looking upstream. (Spring 2019)

LM Start	0.15	Rating **	M	Issue No.	3
LM End	0.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.035760 °	37.035760 °
				-120.441282 °	-120.441282 °
DWR ID	DWR_NA0010_13_s_2012_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\_2019\_NA0010\_131\_3\_20190307\_00001.jpg



Looking at the 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	04/10/2019 04/10/2019	Corey Fujitani

LM Start	0.90	Rating **	M	Issue No.	9
LM End	0.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.044778 °	37.044778 °
				-120.434198 °	-120.434198 °
DWR ID	DWR_NA0010_13_f_2018_9				
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\_2019\_NA0010\_131\_9\_20190307\_00012.jpg



View of several rodent burrows in landside shoulder. (Fall 2018)

LM Start	1.14	Rating **	M	Issue No.	11	
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:39877 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.14)]. FS Date: 3/27/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39877\_59385.jpg



Slide gate in CMP riser on WS shoulder.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	04/10/2019 04/10/2019	Corey Fujitani

LM Start	1.14	Rating **	M	Issue No.	11 (cont)	
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:39877						
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. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.14)].						
FS Date: 3/27/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39877\_59384.jpg



Concrete box on WS toe.

LM Start	<b>1.14</b>	Rating **	M	Issue No.	<b>11 (cont)</b>
LM End	<b>1.14</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39877\_59389.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 M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : 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. 13 Ash Slough	Right	1.27	04/10/2019 04/10/2019	Corey Fujitani

LM Start	1.14	Rating **	M	Issue No.	12	
LM End	1.14	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:39524						
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. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.14)].						
FS Date: 3/27/2014						

LM Start	<b>1.14</b>	Rating **	M	Issue No.	<b>12 (cont)</b>
LM End	<b>1.14</b>	Issue Type +	Ma	Location *	

A photograph showing two concrete culverts installed in a grassy field. The culverts are rectangular and appear to be made of precast concrete. They are surrounded by dense green vegetation, including tall grasses and some shrubs. The ground around the culverts is uneven and covered with dirt and grass. In the bottom right corner, there is a date stamp that reads "03/27/2014 10:06".

Concrete distribution box on WS toe.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  AW : 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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.27	04/10/2019 04/10/2019	Corey Fujitani

LM Start	1.14	Rating **	M	Issue No.	12 (cont)
LM End	1.14	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:39524 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.14)]. FS Date: 3/27/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_39524\_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 M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	04/10/2019 04/10/2019	Corey Fujitani

LM Start	0.01	Rating **	U	Issue No.	7
LM End	1.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.032442 °	37.045405 °
				-120.441231 °	-120.427738 °
DWR ID	DWR_NA0010_14_s_2019_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_132\_7\_20190426\_00010.jpg



View of waterside slope looking downstream. (Spring 2019)

LM Start	0.01	Rating **	U	Issue No.	8
LM End	1.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.032447 °	37.045405 °
				-120.441229 °	-120.427738 °
DWR ID	DWR_NA0010_14_s_2019_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_132\_8\_20190426\_00011.jpg



View of landside slope looking downstream. (Spring 2019)

LM Start	0.25	Rating **	M	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\_2019\_NA0010\_132\_5\_20190307\_00002.jpg



Looking at the landside slope.

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	04/10/2019 04/10/2019	Corey Fujitani

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

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_2015_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\_2019\_NA0010\_132\_79\_20190307\_00003.jpg



Looking at typical view of rodent holes on landward slope.

<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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	04/10/2019 04/10/2019	Corey Fujitani

LM Start	1.26	Rating **	A/W	Issue No.	81
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:32828 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.26)]. FS Date: 3/27/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_32828\_59402.jpg



Concrete U-shaped headwall on Ws toe.

LM Start	<b>1.26</b>	Rating **	A/W	Issue No.	<b>81 (cont)</b>
LM End	<b>1.26</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_32828\_59401.jpg



slidegate in CMP riser on WS slope.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	04/10/2019 04/10/2019	Corey Fujitani

LM Start	1.26	Rating **	A/W	Issue No.	81 (cont)	
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:32828 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.26)]. FS Date: 3/27/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_32828\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	04/10/2019 04/10/2019	Corey Fujitani

LM Start	0.01	Rating **	M	Issue No.	5
LM End	0.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996556 °	36.996552 °
				-120.410229 °	-120.407748 °
DWR ID	DWR_NA0010_15_f_2018_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_133\_5\_20190426\_00015.jpg



View of landside slope. (Spring 2019)

LM Start	0.02	Rating **	M	Issue No.	7
LM End	0.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996550 °	36.996551 °
				-120.409977 °	-120.395523 °
DWR ID	DWR_NA0010_15_f_2018_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_133\_7\_20190426\_00014.jpg



View of waterside slope looking upstream. (Spring 2019)

<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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	04/10/2019 04/10/2019	Corey Fujitani

LM Start	0.48	Rating **	A/W	Issue No.	13
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:32838 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.48)]. FS Date: 3/27/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_32838\_59448.jpg



Concrete headwall on WS toe.

LM Start	<b>0.48</b>	Rating **	A/W	Issue No.	<b>13 (cont)</b>
LM End	<b>0.48</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_32838\_59449.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	04/10/2019 04/10/2019	Corey Fujitani

LM Start	0.48	Rating **	A/W	Issue No.	13 (cont)	
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:32838 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.48)]. FS Date: 3/27/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_32838\_59447.jpg



Concrete headwall on LS toe.

LM Start	1.00	Rating **	M	Issue No.	14	
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					
Comment Code						
Inspector Comment						
FS_ID:39527						
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. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.01)].						
FS Date: 3/27/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39527\_59452.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	04/10/2019 04/10/2019	Corey Fujitani

LM Start	1.00	Rating **	M	Issue No.	14 (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					
Comment Code						
Inspector Comment						
FS_ID:39527 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.01)]. FS Date: 3/27/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39527\_59453.jpg



Flapgate on concrete headwall at WS toe.

LM Start	<b>1.00</b>	Rating **	M	Issue No.	<b>14 (cont)</b>
LM End	<b>1.00</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39527\_59451.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	04/10/2019 04/10/2019	Corey Fujitani

LM Start	1.51	Rating **	M	Issue No.	8	
LM End	1.51	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			36.996560 °		36.996560 °
				-120.383133 °		-120.383133 °
DWR ID	DWR_NA0010_15_s_2018_8					
Comment Code						
GA : Garbage						
Inspector Comment						
There is a sofa on the waterward slope.						

No Photos

LM Start	1.51	Rating **	M	Issue No.	12
LM End	2.02	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996562 °	36.996586 °
				-120.383121 °	-120.373850 °
DWR ID	DWR_NA0010_15_f_2018_12				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Vegetation on levee crown should be removed.					

Photo 1 of 1 : SP\_2019\_NA0010\_133\_12\_20190307\_00004.jpg



View of moderate vegetation on levee crown. (Fall 2018)

LM Start	1.52	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			36.996561 °	36.996587 °
				-120.382869 °	-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					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	04/10/2019 04/10/2019	Corey Fujitani

LM Start	1.52	Rating **	U	Issue No.	9
LM End	2.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996561 °	36.996588 °
				-120.382869 °	-120.373768 °
DWR ID	DWR_NA0010_15_f_2018_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Heavy grass is obstructing the view of the landside slope and toe. (Fall 2018)					

Photo 1 of 2 : SP\_2019\_NA0010\_133\_9\_20190426\_00016.jpg



View of landside slope looking downstream. (Spring 2019)

LM Start	<b>1.52</b>	Rating **	U	Issue No.	<b>9 (cont)</b>
LM End	<b>2.03</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_133\_9\_20190307\_00002.jpg



View of heavy grass on landside slope and toe. (Fall 2018)

LM Start	1.52	Rating **	U	Issue No.	10
LM End	2.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996561 °	36.996587 °
				-120.382869 °	-120.373767 °
DWR ID	DWR_NA0010_15_f_2018_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Heavy grass is located on the waterside slope.					

Photo 1 of 2 : SP\_2019\_NA0010\_133\_10\_20190426\_00017.jpg



View of waterside slope looking downstream. (Spring 2019)

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



**Flood Control Project Maintenance  
Levee Inspections**

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	04/10/2019 04/10/2019	Corey Fujitani

LM Start	1.52	Rating **	U	Issue No.	10 (cont)	
LM End	2.03	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			36.996561 °		36.996587 °
				-120.382869 °		-120.373767 °
DWR ID	DWR_NA0010_15_f_2018_10					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						
Heavy grass is located on the waterside slope.						

Photo 2 of 2 : SP\_2019\_NA0010\_133\_10\_20190307\_00003.jpg



View of heavy vegetation on waterside slope. (Fall 2018)

LM Start	1.53	Rating **	M	Issue No.	15
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:32840 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.53)]. FS Date: 3/27/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_32840\_59456.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	04/10/2019 04/10/2019	Corey Fujitani

LM Start	1.53	Rating **	M	Issue No.	15 (cont)	
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:32840 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.53)]. FS Date: 3/27/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_32840\_59457.jpg



Flapgate on concrete headwall at WS toe.

LM Start	<b>1.53</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>1.53</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_32840\_59455.jpg



Concrete headwall on LS toe. Note excessive 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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**Flood Control Project Maintenance  
Levee Inspections**

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	04/10/2019 04/10/2019	Corey Fujitani

LM Start	1.58	Rating **	M	Issue No.	6
LM End	2.01	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.996563 °	36.996578 °
				-120.381895 °	-120.374111 °
DWR ID	DWR_NA0010_15_f_2017_6				
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\_2019\_NA0010\_133\_6\_20190307\_00001.jpg



Representative picture of the crown.

<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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	04/10/2019 04/10/2019	Corey Fujitani

LM Start	0.01	Rating **	M	Issue No.	7
LM End	1.41	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.995399 °	36.995471 °
				-120.408809 °	-120.383551 °
DWR ID	DWR_NA0010_16_f_2018_7				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_134\_7\_20190307\_00006.jpg



View of short vegetation on crown between wheel tracks. (Fall 2018)

LM Start	0.01	Rating **	U	Issue No.	5
LM End	1.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.995399 °	°
				-120.408807 °	°
DWR ID	DWR_NA0010_16_f_2018_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_NA0010\_134\_5\_20190426\_00012.jpg



View of landside slope looking downstream. (Spring 2019)

LM Start	<b>0.01</b>	Rating **	U	Issue No.	<b>5 (cont)</b>
LM End	<b>1.96</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_134\_5\_20190307\_00004.jpg



View of dense vegetation on levee slope and toe. (Fall 2018)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	04/10/2019 04/10/2019	Corey Fujitani

LM Start	0.01	Rating **	U	Issue No.	6
LM End	1.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.995399 °	°
				-120.408805 °	°
DWR ID	DWR_NA0010_16_f_2018_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_NA0010\_134\_6\_20190426\_00013.jpg



View of waterside slope looking downstream. (Spring 2019)

LM Start	<b>0.01</b>	Rating **	U	Issue No.	<b>6 (cont)</b>
LM End	<b>1.96</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2019\_NA0010\_134\_6\_20190307\_00005.jpg



View of dense vegetation on levee shoulder and slope. (Fall 2018)

LM Start	0.93	Rating **	M	Issue No.	92
LM End	0.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.995439 °	36.995439 °
				-120.392146 °	-120.392146 °
DWR ID	DWR_NA0010_16_s_2015_92				
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 section.					

Photo 1 of 1 : SP\_2019\_NA0010\_134\_92\_20190307\_00008.jpg



Looking at several rodent holes on landward slope.

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



**Flood Control Project Maintenance  
Levee Inspections**

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

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	04/10/2019 04/10/2019	Corey Fujitani

LM Start	1.09	Rating **	M	Issue No.	3
LM End	1.09	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.995433 °	36.995433 °
				-120.389190 °	-120.389190 °
DWR ID	DWR_NA0010_16_f_2016_3				
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 on the levee crown.					

Photo 1 of 1 : SP\_2019\_NA0010\_134\_3\_20190307\_00003.jpg



Looking at several rodent holes and mole holes on levee crown.

LM Start	1.38	Rating **	M	Issue No.	9
LM End	1.89	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	1.43	Rating **	M	Issue No.	8
LM End	1.96	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.995467 °	36.995467 °
				-120.383087 °	-120.383087 °
DWR ID	DWR_NA0010_16_f_2018_8				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_NA0010\_134\_8\_20190426\_00015.jpg



View of vegetation along levee crown. (Spring 2019)

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	04/10/2019 04/10/2019	Corey Fujitani

LM Start	1.43	Rating **	M	Issue No.	8 (cont)	
LM End	1.96	Issue Type +	Ma	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			36.995467 °		36.995467 °
				-120.383087 °		-120.383087 °
DWR ID	DWR_NA0010_16_f_2018_8					
Comment Code						
V9 : Keep the crown roadway free of vegetation.						
Inspector Comment						

Photo 2 of 2 : SP\_2019\_NA0010\_134\_8\_20190307\_00007.jpg



View of levee crown completely covered in vegetation. (Fall 2018)

LM Start	1.44	Rating **	M	Issue No.	93
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:39529					
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. (DWR UCIP - W. Wylie)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.46)].					
FS Date: 4/1/2014 8:12:00 AM					

Photo 1 of 3 : UCIP\_SP\_2019\_39529\_59681.jpg



Concrete headwall on WS toe with channel.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	04/10/2019 04/10/2019	Corey Fujitani

LM Start	1.44	Rating **	M	Issue No.	93 (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					
Comment Code						
Inspector Comment						
FS_ID:39529 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 1.46)]. FS Date: 4/1/2014 8:12:00 AM						

Photo 2 of 3 : UCIP\_SP\_2019\_39529\_59680.jpg



Flapgate on headwall at WS toe.

LM Start	<b>1.44</b>	Rating **	M	Issue No.	<b>93 (cont)</b>
LM End	<b>1.44</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39529\_59682.jpg



Concrete headwall on LS toe covered in vegetation/tumble weeds.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.96	04/10/2019 04/10/2019	Corey Fujitani

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 2 : SP\_2019\_NA0010\_134\_2\_20190307\_00001.jpg



Looking at large rodent holes on landward slope.

LM Start	<b>1.77</b>	Rating **	U	Issue No.	<b>2 (cont)</b>
LM End	<b>1.77</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_134\_2\_20190307\_00002.jpg



Looking southwest at several rodent holes on 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	04/10/2019 04/11/2019	Corey Fujitani

LM Start	0.00	Rating **	U	Issue No.	13
LM End	11.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.976435 °	36.835430 °
				-120.374716 °	-120.303711 °
DWR ID	DWR_NA0010_17_f_2018_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_NA0010\_135\_13\_20190426\_00053.jpg



View of landside slope looking upstream. (Spring 2019)

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>13 (cont)</b>
LM End	<b>11.16</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_135\_13\_20190426\_00054.jpg



View of landside slope looking upstream. (Spring 2019)

LM Start	0.00	Rating **	U	Issue No.	14
LM End	11.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.976459 °	36.836143 °
				-120.374671 °	-120.304602 °
DWR ID	DWR_NA0010_17_f_2018_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_135\_14\_20190426\_00055.jpg



View of waterside slope looking upstream. (Spring 2019)

<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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	04/10/2019 04/11/2019	Corey Fujitani

LM Start	0.60	Rating **	C	Issue No.	15
LM End	0.61	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.976348 °	36.976294 °
				-120.363900 °	-120.363629 °
DWR ID	DWR_NA0010_17_f_2018_15				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	0.67	Rating **	M	Issue No.	16
LM End	1.15	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.975967 °	36.971200 °
				-120.362673 °	-120.356472 °
DWR ID	DWR_NA0010_17_f_2018_16				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Short vegetation is growing on the levee crown.					

No Photos

LM Start	1.20	Rating **	M	Issue No.	17
LM End	1.25	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.970658 °	36.970008 °
				-120.355801 °	-120.355316 °
DWR ID	DWR_NA0010_17_f_2018_17				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Short vegetation is growing on the levee crown.					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	04/10/2019 04/11/2019	Corey Fujitani

LM Start	1.71	Rating **	M	Issue No.	19	
LM End	1.80	Issue Type +	Ma	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			36.963515 °		°
				-120.355780 °		°
DWR ID	DWR_NA0010_17_f_2018_19					
Comment Code						
V9 : Keep the crown roadway free of vegetation.						
Inspector Comment						
Short vegetation is growing on the levee crown.						

No Photos

LM Start	2.05	Rating **	M	Issue No.	20
LM End	2.45	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.959020 °	36.953855 °
				-120.352983 °	-120.349803 °
DWR ID	DWR_NA0010_17_f_2018_20				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Short vegetation is growing on the levee 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	04/10/2019 04/11/2019	Corey Fujitani

LM Start	2.57	Rating **	M	Issue No.	40
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:39531 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.58)]. FS Date: 4/1/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39531\_59710.jpg



Concrete headwall at channel on WS toe.

LM Start	<b>2.57</b>	Rating **	M	Issue No.	<b>40 (cont)</b>
LM End	<b>2.57</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39531\_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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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	04/10/2019 04/11/2019	Corey Fujitani

LM Start	2.57	Rating **	M	Issue No.	40 (cont)	
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:39531 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.58)]. FS Date: 4/1/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39531\_59709.jpg



Concrete headwall at LS toe.

LM Start	3.79	Rating **	M	Issue No.	26
LM End	3.79	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.935744 °	36.935744 °
				-120.341077 °	-120.341077 °
DWR ID	DWR_NA0010_17_f_2018_26				
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\_2019\_NA0010\_135\_26\_20190307\_00017.jpg



View of rodent holes along the center of the crown. (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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	04/10/2019 04/11/2019	Corey Fujitani

LM Start	4.74	Rating **	M	Issue No.	22
LM End	4.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.922526 °	36.922526 °
				-120.336227 °	-120.336227 °
DWR ID	DWR_NA0010_17_f_2017_22				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_135\_22\_20190307\_00012.jpg



Looking southeast at the landside slope.

LM Start	5.75	Rating **	M	Issue No.	8
LM End	5.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.908605 °	36.906507 °
				-120.331112 °	-120.330353 °
DWR ID	DWR_NA0010_17_s_2012_8				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Multiple rodent holes are noted on the landside slope.					

Photo 1 of 2 : SP\_2019\_NA0010\_135\_8\_20190307\_00005.jpg



Looking at several rodent holes on landward slope. (Spring 2015)

LM Start	<b>5.75</b>	Rating **	M	Issue No.	<b>8 (cont)</b>
LM End	<b>5.90</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_135\_8\_20190307\_00006.jpg



Looking at several rodent holes on landside slope. (Fall 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	04/10/2019 04/11/2019	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\_2019\_NA0010\_135\_4\_20190307\_00003.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\_2019\_NA0010\_135\_5\_20190307\_00004.jpg



Looking at typical view of rodent holes on landward slope.

LM Start	7.41	Rating **	M	Issue No.	23
LM End	7.41	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.885998 °	36.885998 °
				-120.320759 °	-120.320759 °
DWR ID	DWR_NA0010_17_f_2017_23				
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\_2019\_NA0010\_135\_23\_20190307\_00013.jpg



Looking southwest at the crown.

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	04/10/2019 04/11/2019	Corey Fujitani

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\_2019\_NA0010\_135\_24\_20190307\_00014.jpg



Looking east at the landside slope.

LM Start	8.37	Rating **	A/W	Issue No.	41
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:32999					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.38)].					
FS Date: 4/1/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_32999\_59718.jpg



Concrete headwall and channel 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	04/10/2019 04/11/2019	Corey Fujitani

LM Start	8.37	Rating **	A/W	Issue No.	41 (cont)	
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:32999 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.38)]. FS Date: 4/1/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_32999\_59720.jpg



Flapgate on concrete headwall at WS toe.

LM Start	<b>8.37</b>	Rating **	A/W	Issue No.	<b>41 (cont)</b>
LM End	<b>8.37</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_32999\_59719.jpg



Concrete headwall and channel on LS toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	04/10/2019 04/11/2019	Corey Fujitani

LM Start	9.88	Rating **	M	Issue No.	42
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:39532					
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. (DWR UCIP - W. Wylie)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.89)].					
FS Date: 4/1/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39532\_59723.jpg



Concrete headwall and channel on WS toe.

LM Start	<b>9.88</b>	Rating **	M	Issue No.	<b>42 (cont)</b>
LM End	<b>9.88</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39532\_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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	04/10/2019 04/11/2019	Corey Fujitani

LM Start	9.88	Rating **	M	Issue No.	42 (cont)	
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:39532 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 9.89)]. FS Date: 4/1/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39532\_59722.jpg



Concrete headwall and channel on LS toe.

LM Start	11.09	Rating **	M	Issue No.	18
LM End	16.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.836143 °	36.774610 °
				-120.304602 °	-120.283936 °
DWR ID	DWR_NA0010_17_s_2019_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	04/10/2019 04/11/2019	Corey Fujitani

LM Start	11.16	Rating **	M	Issue No.	12
LM End	16.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.835428 °	36.774610 °
				-120.303708 °	-120.283936 °
DWR ID	DWR_NA0010_17_s_2019_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	12.17	Rating **	U	Issue No.	39	
LM End	12.17	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			36.822818 °		36.822818 °
				-120.299680 °		-120.299680 °
DWR ID	DWR_NA0010_17_f_2018_39					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
A large hole is on the landside toe.						

Photo 1 of 2 : SP\_2019\_NA0010\_135\_39\_20190307\_00027.jpg



Large rodent hole at toe of levee. (Fall 2018)

LM Start	<b>12.17</b>	Rating **	U	Issue No.	<b>39 (cont)</b>
LM End	<b>12.17</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_135\_39\_20190307\_00028.jpg



Upclose view of rodent hole. (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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	04/10/2019 04/11/2019	Corey Fujitani

LM Start	12.28	Rating **	M	Issue No.	3
LM End	12.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.821368 °	36.820000 °
				-120.300283 °	-120.300831 °
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					
Several rodent holes are identified within this reach.					

LM Start	<b>12.28</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>12.38</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : SP\_2019\_NA0010\_135\_3\_20190307\_00001.jpg



Looking at typical view of rodent holes on landward slope. Fall 2015

Photo 2 of 2 : SP\_2019\_NA0010\_135\_3\_20190307\_00002.jpg



Looking at several rodent holes on landward slope. Spring 2015

<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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	04/10/2019 04/11/2019	Corey Fujitani

LM Start	13.29	Rating **	M	Issue No.	43
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:39533 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.30)]. FS Date: 4/1/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39533\_59727.jpg



Concrete headwall on WS toe.

LM Start	<b>13.29</b>	Rating **	M	Issue No.	<b>43 (cont)</b>
LM End	<b>13.29</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39533\_59726.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	04/10/2019 04/11/2019	Corey Fujitani

LM Start	13.29	Rating **	M	Issue No.	43 (cont)
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:39533 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 13.30)]. FS Date: 4/1/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_39533\_59725.jpg



Concrete headwall on LS toe. Some vegetation buildup.

LM Start	14.69	Rating **	M	Issue No.	46
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:39535					
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. (DWR UCIP - W. Wylie)					
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. USACE San Joaquin					
O&M Manual 601.1, 1967, (HLM 14.69)].					
FS Date: 4/1/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39535\_59745.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	04/10/2019 04/11/2019	Corey Fujitani

LM Start	14.69	Rating **	M	Issue No.	46 (cont)	
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:39535						
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. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 14.69)].						
FS Date: 4/1/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39535\_59747.jpg



Flapgate on Concrete headwall at WS toe.

LM Start	<b>14.69</b>	Rating **	M	Issue No.	<b>46 (cont)</b>
LM End	<b>14.69</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39535\_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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	04/12/2019 04/12/2019	Corey Fujitani

LM Start	0.02	Rating **	U	Issue No.	71
LM End	1.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.973991 °	36.957440 °
				-120.363070 °	-120.354468 °
DWR ID	DWR_NA0010_18_s_2019_71				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_137\_71\_20190429\_00043.jpg



View along landside slope looking downstream. (Spring 2019)

LM Start	0.02	Rating **	U	Issue No.	72
LM End	1.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.973990 °	36.957439 °
				-120.363068 °	-120.354467 °
DWR ID	DWR_NA0010_18_s_2019_72				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_137\_72\_20190429\_00044.jpg



View along waterside slope looking downstream. (Spring 2019)

LM Start	0.58	Rating **	C	Issue No.	20
LM End	0.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.967678 °	36.967678 °
				-120.357660 °	-120.357660 °
DWR ID	DWR_NA0010_18_s_2018_20				
Comment Code					
GA : Garbage					
Inspector Comment					
Garbage (rubber tires) stockpile on waterward slope.					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	04/12/2019 04/12/2019	Corey Fujitani

LM Start	0.78	Rating **	M	Issue No.	55
LM End	0.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.964824 °	36.964824 °
				-120.358065 °	-120.358065 °
DWR ID	DWR_NA0010_18_f_2018_55				
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\_2019\_NA0010\_137\_55\_20190307\_00028.jpg



View of rodent holes from levee toe looking towards centerline. (Fall 2018)

LM Start	1.44	Rating **	M	Issue No.	7
LM End	1.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.956163 °	36.956163 °
				-120.353672 °	-120.353672 °
DWR ID	DWR_NA0010_18_f_2018_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 identified on landside slope and on the levee crown.					

Photo 1 of 1 : SP\_2019\_NA0010\_137\_7\_20190307\_00002.jpg



Looking at typical view of rodent holes within this section on landward slope.

LM Start	1.45	Rating **	M	Issue No.	70
LM End	1.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.955936 °	36.955936 °
				-120.353540 °	-120.353540 °
DWR ID	DWR_NA0010_18_s_2019_70				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

No Photos

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	04/12/2019 04/12/2019	Corey Fujitani

LM Start	<b>1.69</b>	Rating **	M	Issue No.	<b>62</b>
LM End	<b>10.44</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.952892 °	36.834033 °	
			-120.351671 °	-120.305129 °	
DWR ID	DWR_NA0010_18_s_2019_62				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>1.69</b>	Rating **	M	Issue No.	<b>63</b>
LM End	<b>8.93</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.952891 °	36.852411 °	
			-120.351671 °	-120.316424 °	
DWR ID	DWR_NA0010_18_s_2019_63				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>1.80</b>	Rating **	M	Issue No.	<b>67</b>
LM End	<b>2.92</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.951402 °	36.936238 °	
			-120.350728 °	-120.343553 °	
DWR ID	DWR_NA0010_18_s_2019_67				
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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	04/12/2019 04/12/2019	Corey Fujitani

LM Start	2.25	Rating **	U	Issue No.	8
LM End	2.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.945563 °	36.945563 °
				-120.347121 °	-120.347121 °
DWR ID	DWR_NA0010_18_f_2015_8				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There is one large rodent hole and other smaller rodent holes within this area.					

Photo 1 of 2 : SP\_2019\_NA0010\_137\_8\_20190307\_00003.jpg



Looking at large rodent hole on landward slope.

LM Start	<b>2.25</b>	Rating **	U	Issue No.	<b>8 (cont)</b>
LM End	<b>2.25</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_137\_8\_20190307\_00004.jpg



Looking at close-up view of large rodent hole on landward slope.

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

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	04/12/2019 04/12/2019	Corey Fujitani

LM Start	4.69	Rating **	M	Issue No.	16
LM End	4.69	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	5.16	Rating **	M	Issue No.	65
LM End	5.22	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.905081 °	36.904240 °
				-120.332193 °	-120.331851 °
DWR ID	DWR_NA0010_18_s_2019_65				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	5.54	Rating **	M	Issue No.	64
LM End	5.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.899995 °	36.899995 °
				-120.329992 °	-120.329992 °
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

* 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	04/12/2019 04/12/2019	Corey Fujitani

LM Start	5.77	Rating **	U	Issue No.	47
LM End	5.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.896839 °	36.896839 °
				-120.328434 °	-120.328434 °
DWR ID	DWR_NA0010_18_f_2018_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\_2019\_NA0010\_137\_47\_20190307\_00022.jpg



Several rodent holes in the landside slope. (Fall 2018)

LM Start	5.89	Rating **	U	Issue No.	1
LM End	5.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.895175 °	36.895175 °
				-120.327632 °	-120.327632 °
DWR ID	DWR_NA0010_18_s_2015_1				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are several large rodent holes noted on the landside slope and berm within this section.					

Photo 1 of 1 : SP\_2019\_NA0010\_137\_1\_20190307\_00001.jpg



Looking at the landside slope.

LM Start	5.99	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			36.893924 °	36.893924 °
				-120.327020 °	-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\_2019\_NA0010\_137\_15\_20190307\_00007.jpg



Looking west at the landside slope. (Fall 2017)

**\* Location**

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

**\*\* Rating**

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

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	04/12/2019 04/12/2019	Corey Fujitani

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

LM Start	7.39	Rating **	U	Issue No.	14
LM End	7.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.874479 °	36.872503 °
				-120.319831 °	-120.319438 °
DWR ID	DWR_NA0010_18_f_2017_14				
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 the landside slope in this area.					

Photo 1 of 1 : SP\_2019\_NA0010\_137\_14\_20190307\_00006.jpg



Looking south at the landside slope.

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\_2019\_NA0010\_137\_13\_20190307\_00005.jpg



Looking south at the landside slope.

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	04/12/2019 04/12/2019	Corey Fujitani

LM Start	8.93	Rating **	U	Issue No.	61
LM End	15.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.852389 °	36.774046 °
				-120.316424 °	-120.285545 °
DWR ID	DWR_NA0010_18_s_2019_61				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_137\_61\_20190429\_00045.jpg



View of waterside slope looking upstream. (Spring 2019)

LM Start	10.44	Rating **	U	Issue No.	60
LM End	15.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.834033 °	36.774046 °
				-120.305129 °	-120.285545 °
DWR ID	DWR_NA0010_18_s_2019_60				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_137\_60\_20190429\_00046.jpg



View of landside slope looking upstream. (spring 2019)

LM Start	12.01	Rating **	M	Issue No.	27
LM End	12.10	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

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.35	04/12/2019 04/12/2019	Corey Fujitani

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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	03/28/2019 03/28/2019	Corey Fujitani

LM Start	0.10	Rating **	M	Issue No.	260
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:49959 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. (DWR UCIP - omagana)04/15/2014 No actuator wheel on slide gate at WS shoulder. (DWR UCIP - wwylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.10)]. FS Date: 7/19/2016					

LM Start	<b>0.10</b>	Rating **	M	Issue No.	<b>260 (cont)</b>
LM End	<b>0.10</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_49959\_61060.jpg



PVC pipes sticking up out of channel likely indicate pipe location on WS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_49959\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	03/28/2019 03/28/2019	Corey Fujitani

LM Start	0.10	Rating **	M	Issue No.	260 (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					
Comment Code						
Inspector Comment						
FS_ID:49959 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. (DWR UCIP - omagana)04/15/2014 No actuator wheel on slide gate at WS shoulder. (DWR UCIP - wwylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.10)]. FS Date: 7/19/2016						

Photo 3 of 3 : UCIP\_SP\_2019\_49959\_61059.jpg



Concrete headwall at LS toe.

LM Start	0.11	Rating **	U	Issue No.	10
LM End	5.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.207149 °	37.271517 °
				-120.696305 °	-120.740935 °
DWR ID	DWR_NA0010_22A_s_2019_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_138\_10\_20190418\_00049.jpg



Representative view of vegetation along landside slope. (Spring 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	03/28/2019 03/28/2019	Corey Fujitani

LM Start	0.12	Rating **	M	Issue No.	12
LM End	0.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.207274 °	37.212525 °
				-120.696346 °	-120.697974 °
DWR ID	DWR_NA0010_22A_s_2019_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.68	Rating **	M	Issue No.	15
LM End	0.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.215253 °	37.217299 °
				-120.698133 °	-120.697386 °
DWR ID	DWR_NA0010_22A_s_2019_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.90	Rating **	C	Issue No.	20
LM End	0.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			37.218269 °	37.218270 °
				-120.697563 °	-120.697565 °
DWR ID	DWR_NA0010_22A_f_2018_20				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
Cracking along landside slope about 50' in length					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	03/28/2019 03/28/2019	Corey Fujitani

LM Start	1.04	Rating **	M	Issue No.	22
LM End	1.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.220281 °	37.220281 °
				-120.698287 °	-120.698287 °
DWR ID	DWR_NA0010_22A_f_2018_22				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Depressions are noted on waterside slope.					

Photo 1 of 1 : SP\_2019\_NA0010\_138\_22\_20190307\_00021.jpg



View of depression on waterside slope. (Fall 2018)

LM Start	1.05	Rating **	U	Issue No.	17
LM End	1.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.220349 °	37.222864 °
				-120.698310 °	-120.699231 °
DWR ID	DWR_NA0010_22A_s_2019_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_138\_17\_20190418\_00050.jpg



View of waterside slope looking downstream. (Spring 2019)

LM Start	1.27	Rating **	M	Issue No.	18
LM End	1.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.223401 °	37.233005 °
				-120.699433 °	-120.702935 °
DWR ID	DWR_NA0010_22A_s_2019_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	03/28/2019 03/28/2019	Corey Fujitani

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					
Several rodent holes are noted here.					

No Photos

LM Start	1.77	Rating **	M	Issue No.	27
LM End	1.77	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	2.20	Rating **	M	Issue No.	29
LM End	2.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.236392 °	37.238776 °
				-120.704165 °	-120.705028 °
DWR ID	DWR_NA0010_22A_f_2018_29				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
There is slope erosion from livestock, the slope is no longer 3:1.					

Photo 1 of 2 : SP\_2019\_NA0010\_138\_29\_20190307\_00025.jpg



View of waterside slope from levee crown. (Fall 2018)

<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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	03/28/2019 03/28/2019	Corey Fujitani

LM Start	2.20	Rating **	M	Issue No.	29 (cont)	
LM End	2.37	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.236392 °	37.238776 °	
				-120.704165 °	-120.705028 °	
DWR ID	DWR_NA0010_22A_f_2018_29					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
There is slope erosion from livestock, the slope is no longer 3:1.						

Photo 2 of 2 : SP\_2019\_NA0010\_138\_29\_20190307\_00026.jpg



Looking downstream along waterside slope. (Fall 2018)

LM Start	2.30	Rating **	M	Issue No.	36
LM End	2.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.237801 °	37.244756 °
				-120.704683 °	-120.707371 °
DWR ID	DWR_NA0010_22A_s_2019_36				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.65	Rating **	U	Issue No.	7
LM End	2.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.242595 °	37.242595 °
				-120.706470 °	-120.706470 °
DWR ID	DWR_NA0010_22A_s_2017_7				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion is cutting into the crown.					

Photo 1 of 3 : SP\_2019\_NA0010\_138\_7\_20190307\_00005.jpg



Looking downstream and erosion in waterside slope and shoulder. (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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	03/28/2019 03/28/2019	Corey Fujitani

LM Start	2.65	Rating **	U	Issue No.	7 (cont)	
LM End	2.65	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.242595 °		37.242595 °
				-120.706470 °		-120.706470 °
DWR ID	DWR_NA0010_22A_s_2017_7					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Erosion is cutting into the crown.						

Photo 2 of 3 : SP\_2019\_NA0010\_138\_7\_20190307\_00006.jpg



Looking northwest at the waterside shoulder. (Fall 2017)

LM Start	<b>2.65</b>	Rating **	U	Issue No.	<b>7 (cont)</b>
LM End	<b>2.65</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP\_2019\_NA0010\_138\_7\_20190307\_00007.jpg



Looking downstream at erosion on waterward shoulder and slope.

LM Start	2.81	Rating **	U	Issue No.	38
LM End	3.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.244756 °	37.254845 °
				-120.707371 °	-120.719719 °
DWR ID	DWR_NA0010_22A_s_2019_38				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_138\_38\_20190418\_00051.jpg



View of waterside slope looking downstream. (Spring 2019)

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	03/28/2019 03/28/2019	Corey Fujitani

LM Start	2.82	Rating **	U	Issue No.	30
LM End	2.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.244940 °	37.245050 °
				-120.707467 °	-120.707567 °
DWR ID	DWR_NA0010_22A_f_2018_30				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion is cutting into the waterside bank.					

Photo 1 of 2 : SP\_2019\_NA0010\_138\_30\_20190307\_00027.jpg



View of erosion in waterside slope. (Fall 2018)

LM Start	<b>2.82</b>	Rating **	U	Issue No.	<b>30 (cont)</b>
LM End	<b>2.83</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2019\_NA0010\_138\_30\_20190307\_00028.jpg



View along waterside slope. (Fall 2018)

LM Start	2.87	Rating **	U	Issue No.	31
LM End	2.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.245536 °	37.245536 °
				-120.708119 °	-120.708119 °
DWR ID	DWR_NA0010_22A_f_2018_31				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion is cutting into the waterside shoulder.					

Photo 1 of 1 : SP\_2019\_NA0010\_138\_31\_20190307\_00029.jpg



View of waterside slope looking downstream. (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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	03/28/2019 03/28/2019	Corey Fujitani

LM Start	2.96	Rating **	U	Issue No.	32
LM End	2.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.246408 °	37.246408 °
				-120.709197 °	-120.709197 °
DWR ID	DWR_NA0010_22A_f_2018_32				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion is cutting into the waterside slope.					

Photo 1 of 1 : SP\_2019\_NA0010\_138\_32\_20190307\_00030.jpg



View of waterside slope erosion. (Fall 2018)

LM Start	3.14	Rating **	U	Issue No.	33
LM End	3.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.248257 °	37.248257 °
				-120.711547 °	-120.711547 °
DWR ID	DWR_NA0010_22A_f_2018_33				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion is cutting into the waterside slope.					

Photo 1 of 1 : SP\_2019\_NA0010\_138\_33\_20190307\_00031.jpg



Looking downstream along waterside slope. (Fall 2018)

LM Start	3.44	Rating **	U	Issue No.	34
LM End	3.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.251370 °	37.251370 °
				-120.715344 °	-120.715344 °
DWR ID	DWR_NA0010_22A_f_2018_34				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Slope erosion is from livestock.					

Photo 1 of 1 : SP\_2019\_NA0010\_138\_34\_20190307\_00032.jpg



View of erosion on slope looking from waterside toe. (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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	03/28/2019 03/28/2019	Corey Fujitani

LM Start	3.47	Rating **	U	Issue No.	35
LM End	3.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.251621 °	37.251621 °
				-120.715649 °	-120.715649 °
DWR ID	DWR_NA0010_22A_f _ 2018_35				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Waterside slope erosion is from livestock activity.					

Photo 1 of 1 : SP\_2019\_NA0010\_138\_35\_20190307\_00033.jpg



Erosion in waterside slope from livestock. (Fall 2018)

LM Start	3.64	Rating **	U	Issue No.	9
LM End	3.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.253362 °	37.253862 °
				-120.717873 °	-120.718507 °
DWR ID	DWR_NA0010_22A_f _ 2016_9				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Several erosion or levee damage sites caused by animal traffic are within this section.					

Photo 1 of 2 : SP\_2019\_NA0010\_138\_9\_20190307\_00012.jpg



Looking southeast at the waterside slope.

LM Start	<b>3.64</b>	Rating **	U	Issue No.	<b>9 (cont)</b>
LM End	<b>3.69</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2019\_NA0010\_138\_9\_20190307\_00013.jpg



Looking downstream at animal erosion on waterward slope.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	03/28/2019 03/28/2019	Corey Fujitani

LM Start	3.79	Rating **	M	Issue No.	11
LM End	3.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.254923 °	37.254923 °
				-120.719769 °	-120.719769 °
DWR ID	DWR_NA0010_22A_s_2014_11				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	3.80	Rating **	M	Issue No.	259
LM End	3.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.255067 °	37.255067 °
				-120.719910 °	-120.719910 °
DWR ID	DWR_NA0010_22A_s_2015_259				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Dead tree stump on waterside slope.					

Photo 1 of 1 : SP\_2019\_NA0010\_138\_259\_20190307\_00035.jpg



Looking east at dead stump on waterward slope.

LM Start	3.81	Rating **	M	Issue No.	13
LM End	3.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.255199 °	37.255199 °
				-120.720094 °	-120.720094 °
DWR ID	DWR_NA0010_22A_f_2017_13				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_138\_13\_20190307\_00014.jpg



Looking northeast 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	03/28/2019 03/28/2019	Corey Fujitani

LM Start	3.82	Rating **	M	Issue No.	14
LM End	3.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.255239 °	37.255239 °
				-120.720142 °	-120.720142 °
DWR ID	DWR_NA0010_22A_f_2017_14				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_138\_14\_20190307\_00015.jpg



Looking northeast at the waterside slope. (Fall 2017)

LM Start	3.88	Rating **	M	Issue No.	39
LM End	5.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.255853 °	37.270452 °
				-120.720865 °	-120.739730 °
DWR ID	DWR_NA0010_22A_s_2019_39				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.28	Rating **	M	Issue No.	37
LM End	5.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.260111 °	37.268533 °
				-120.725900 °	-120.737557 °
DWR ID	DWR_NA0010_22A_f_2018_37				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion is cutting into the waterside slope.					

Photo 1 of 1 : SP\_2019\_NA0010\_138\_37\_20190307\_00034.jpg



View of waterside slope looking downstream. (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>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	03/28/2019 03/28/2019	Corey Fujitani

LM Start	4.87	Rating **	A/W	Issue No.	8
LM End	4.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.265813 °	37.265813 °
				-120.733748 °	-120.733748 °
DWR ID	DWR_NA0010_22A_f_2016_8				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Levee damage caused by animal traffic. Several sites repaired with broken concrete.					

LM Start	<b>4.87</b>	Rating **	A/W	Issue No.	<b>8 (cont)</b>
LM End	<b>4.87</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : SP\_2019\_NA0010\_138\_8\_20190307\_00008.jpg



Looking downstream at repaired site with concrete rubble on waterward slope and shoulder. (Spring 2018)

Photo 2 of 4 : SP\_2019\_NA0010\_138\_8\_20190307\_00009.jpg



Looking downstream at animal erosion on waterward slope.

LM Start	<b>4.87</b>	Rating **	A/W	Issue No.	<b>8 (cont)</b>
LM End	<b>4.87</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : SP\_2019\_NA0010\_138\_8\_20190307\_00010.jpg



Looking downstream at repaired site with concrete rubble on waterward slope. (Spring 2018)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	03/28/2019 03/28/2019	Corey Fujitani

LM Start	4.87	Rating **	A/W	Issue No.	8 (cont)	
LM End	4.87	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			37.265813 °		37.265813 °
				-120.733748 °		-120.733748 °
DWR ID	DWR_NA0010_22A_f_2016_8					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
Levee damage caused by animal traffic. Several sites repaired with broken concrete.						

Photo 4 of 4 : SP\_2019\_NA0010\_138\_8\_20190307\_00011.jpg



Looking downstream at animal erosion on waterward slope.

LM Start	5.05	Rating **	M	Issue No.	4
LM End	5.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.267516 °	37.267516 °
				-120.736401 °	-120.736401 °
DWR ID	DWR_NA0010_22A_f_2013_4				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion is caused by animal traffic.					

Photo 1 of 2 : SP\_2019\_NA0010\_138\_4\_20190307\_00001.jpg



Looking southeast at livestock erosion on waterward toe.

LM Start	<b>5.05</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>5.05</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2019\_NA0010\_138\_4\_20190307\_00002.jpg



Looking southeast at livestock erosion on waterward toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.51	03/28/2019 03/28/2019	Corey Fujitani

LM Start	5.12	Rating **	M	Issue No.	6
LM End	5.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.268236 °	37.269124 °
				-120.737210 °	-120.738200 °
DWR ID	DWR_NA0010_22A_s_2012_6				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Slope damage is caused by livestock on waterside toe.					

Photo 1 of 2 : SP\_2019\_NA0010\_138\_6\_20190307\_00003.jpg



Looking southeast at livestock erosion on waterward toe.

LM Start	<b>5.12</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>5.20</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2019\_NA0010\_138\_6\_20190307\_00004.jpg



Looking northwest at livestock erosion along waterside slope and toe.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	04/11/2019 04/11/2019	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	27
LM End	3.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.774320 °	36.773021 °
				-120.283697 °	-120.235408 °
DWR ID	DWR_NA0010_23_s_2019_27				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_139\_27\_20190429\_00053.jpg



View of landside slope looking upstream. (Spring 2019)

LM Start	0.00	Rating **	M	Issue No.	59
LM End	6.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.774320 °	36.788892 °
				-120.283697 °	-120.200827 °
DWR ID	DWR_NA0010_23_s_2019_59				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_139\_59\_20190429\_00054.jpg



View of waterside slope looking upstream. (Spring 2019)

<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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	04/11/2019 04/11/2019	Corey Fujitani

LM Start	0.21	Rating **	M	Issue No.	66	
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:39537 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.21)]. FS Date: 4/3/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39537\_59860.jpg



Concrete headwall on WS toe at channel.

LM Start	<b>0.21</b>	Rating **	M	Issue No.	<b>66 (cont)</b>
LM End	<b>0.21</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39537\_59859.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	04/11/2019 04/11/2019	Corey Fujitani

LM Start	0.21	Rating **	M	Issue No.	66 (cont)	
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:39537 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.21)]. FS Date: 4/3/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39537\_59861.jpg



Concrete headwall at LS toe. Excess vegetation buildup at inlet.

LM Start	0.81	Rating **	C	Issue No.	43
LM End	0.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.774170 °	36.774170 °
				-120.271461 °	-120.271461 °
DWR ID	DWR_NA0010_23_f_2018_43				
Comment Code					
S1 : Repair slope instability.					
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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	04/11/2019 04/11/2019	Corey Fujitani

LM Start	1.09	Rating **	U	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\_2019\_NA0010\_139\_26\_20190307\_00008.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	1.52	Rating **	M	Issue No.	28	
LM End	1.52	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			36.772066 °		36.772066 °
				-120.259545 °		-120.259545 °
DWR ID	DWR_NA0010_23_f_2017_28					
Comment Code						
TR : Tree or limb						
Inspector Comment						
There are downed tree limbs on the landside slope.						

Photo 1 of 1 : SP\_2019\_NA0010\_139\_28\_20190307\_00009.jpg



Looking north at 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	04/11/2019 04/11/2019	Corey Fujitani

LM Start	1.87	Rating **	M	Issue No.	22
LM End	1.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			36.772373 °	36.772373 °
				-120.253843 °	-120.253843 °
DWR ID	DWR_NA0010_23_f_2016_22				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.91	Rating **	U	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\_2019\_NA0010\_139\_1\_20190307\_00001.jpg



Looking east at waterside slope.

LM Start	1.92	Rating **	M	Issue No.	44
LM End	1.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			36.773000 °	36.773000 °
				-120.253472 °	-120.253472 °
DWR ID	DWR_NA0010_23_f_2018_44				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
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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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	04/11/2019 04/11/2019	Corey Fujitani

LM Start	2.12	Rating **	M	Issue No.	16
LM End	2.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.775507 °	36.775507 °
				-120.251670 °	-120.251672 °
DWR ID	DWR_NA0010_23_s_2013_16				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Slope damage is caused by vehicle traffic.					

Photo 1 of 1 : SP\_2019\_NA0010\_139\_16\_20190307\_00003.jpg



Looking west at one of several damaged slopes cause by vehicle traffic.

LM Start	2.21	Rating **	M	Issue No.	35
LM End	2.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.775689 °	36.775689 °
				-120.250161 °	-120.250161 °
DWR ID	DWR_NA0010_23_s_2018_35				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	2.37	Rating **	M	Issue No.	36
LM End	2.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.774998 °	36.774998 °
				-120.247486 °	-120.247486 °
DWR ID	DWR_NA0010_23_s_2018_36				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	04/11/2019 04/11/2019	Corey Fujitani

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

LM Start	2.47	Rating **	M	Issue No.	38
LM End	2.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.773739 °	36.773739 °
				-120.246614 °	-120.246614 °
DWR ID	DWR_NA0010_23_s_2018_38				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	2.48	Rating **	M	Issue No.	31
LM End	2.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.773596 °	36.773596 °
				-120.246523 °	-120.246523 °
DWR ID	DWR_NA0010_23_f_2017_31				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	04/11/2019 04/11/2019	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.					

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.					

No Photos

LM Start	3.42	Rating **	M	Issue No.	60
LM End	4.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.776124 °	36.784387 °
				-120.234637 °	-120.223627 °
DWR ID	DWR_NA0010_23_s _ 2019_60				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	04/11/2019 04/11/2019	Corey Fujitani

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

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					

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.					

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	04/11/2019 04/11/2019	Corey Fujitani

LM Start	4.45	Rating **	M	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

LM Start	4.83	Rating **	M	Issue No.	61
LM End	6.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.789258 °	36.788892 °
				-120.220609 °	-120.200827 °
DWR ID	DWR_NA0010_23_s_2019_61				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.85	Rating **	M	Issue No.	62
LM End	4.85	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					

Photo 1 of 2 : SP\_2019\_NA0010\_139\_62\_20190429\_00056.jpg



View of damage to landside slope by vehicle traffic looking downstream.  
(Spring 2019)

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	04/11/2019 04/11/2019	Corey Fujitani

LM Start	4.85	Rating **	M	Issue No.	62 (cont)	
LM End	4.85	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						

Photo 2 of 2 : SP\_2019\_NA0010\_139\_62\_20190429\_00057.jpg



View of damage to slope looking upstream. (Spring 2019)

LM Start	5.68	Rating **	U	Issue No.	5
LM End	5.68	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\_2019\_NA0010\_139\_5\_20190307\_00002.jpg



Looking at several rodent holes on landside slope.

<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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	04/11/2019 04/11/2019	Corey Fujitani

LM Start	5.68	Rating **	M	Issue No.	70
LM End	5.68	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:39542					
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. (DWR UCIP - W. Wylie)					
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.71)].					
FS Date: 4/3/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39542\_59830.jpg



Concrete headwall on WS toe.

LM Start	<b>5.68</b>	Rating **	M	Issue No.	<b>70 (cont)</b>
LM End	<b>5.68</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39542\_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 N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	04/11/2019 04/11/2019	Corey Fujitani

LM Start	5.68	Rating **	M	Issue No.	70 (cont)	
LM End	5.68	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:39542 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 5.71)]. FS Date: 4/3/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39542\_59831.jpg



Concrete headwall at LS toe.

LM Start	6.09	Rating **	U	Issue No.	63
LM End	9.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.788892 °	36.807942 °
				-120.200827 °	-120.168824 °
DWR ID	DWR_NA0010_23_s_2019_63				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_139\_63\_20190429\_00059.jpg



View of landside slope looking upstream. (Spring 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	04/11/2019 04/11/2019	Corey Fujitani

LM Start	6.09	Rating **	U	Issue No.	64
LM End	9.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.788892 °	36.807942 °
				-120.200827 °	-120.168824 °
DWR ID	DWR_NA0010_23_s_2019_64				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_139\_64\_20190429\_00058.jpg



View of waterside slope looking upstream. (Spring 2019)

LM Start	8.32	Rating **	M	Issue No.	72	
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:39544 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. (DWR UCIP - W. Wylie) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.33)]. FS Date: 4/3/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_39544\_59823.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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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	04/11/2019 04/11/2019	Corey Fujitani

LM Start	8.32	Rating **	M	Issue No.	72 (cont)	
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:39544						
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. (DWR UCIP - W. Wylie)						
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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.33)].						
FS Date: 4/3/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_39544\_59821.jpg



concrete headwall at drainage ditch on WS toe.

LM Start	<b>8.32</b>	Rating **	M	Issue No.	<b>72 (cont)</b>
LM End	<b>8.32</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_39544\_59822.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	04/11/2019 04/11/2019	Corey Fujitani

LM Start	8.52	Rating **	M	Issue No.	73
LM End	8.52	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				
Comment Code					
Inspector Comment					
FS_ID:39545 DS_ID:19941 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. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 5.6 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.54)]. FS Date: 4/3/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39545\_59817.jpg



Concrete headwall on WS toe.

LM Start	<b>8.52</b>	Rating **	M	Issue No.	<b>73 (cont)</b>
LM End	<b>8.52</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39545\_59819.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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	04/11/2019 04/11/2019	Corey Fujitani

LM Start	8.52	Rating **	M	Issue No.	73 (cont)	
LM End	8.52	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					
Comment Code						
Inspector Comment						
FS_ID:39545						
DS_ID:19941						
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. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 5.6 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.54)].						
FS Date: 4/3/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_39545\_59818.jpg



Concrete headwall on LS toe.

LM Start	8.97	Rating **	M	Issue No.	25
LM End	8.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.799606 °	36.799606 °
				-120.175395 °	-120.175395 °
DWR ID	DWR_NA0010_23_f_2016_25				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are rodent holes on the waterside shoulder.					

Photo 1 of 1 : SP\_2019\_NA0010\_139\_25\_20190307\_00007.jpg



Looking at typical view of rodent hole on waterward 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	04/11/2019 04/11/2019	Corey Fujitani

LM Start	9.19	Rating **	M	Issue No.	32
LM End	9.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.802456 °	36.803233 °
				-120.173675 °	-120.173162 °
DWR ID	DWR_NA0010_23_f_2017_32				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	9.74	Rating **	M	Issue No.	65
LM End	9.74	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.807603 °	36.807603 °
				-120.168825 °	-120.168825 °
DWR ID	DWR_NA0010_23_s_2019_65				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

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 3 : SP\_2019\_NA0010\_139\_58\_20190429\_00060.jpg



View of woody vegetation on landside shoulder partially blocking access across crown. (Spring 2019)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.24	04/11/2019 04/11/2019	Corey Fujitani

LM Start	9.79	Rating **	M	Issue No.	58 (cont)	
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.						

LM Start	<b>9.79</b>	Rating **	M	Issue No.	<b>58 (cont)</b>
LM End	<b>9.81</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP\_2019\_NA0010\_139\_58\_20190429\_00061.jpg



View of woody vegetation left on landside slope and toe. (Spring 2019)

Photo 3 of 3 : SP\_2019\_NA0010\_139\_58\_20190429\_00062.jpg



Woody vegetation on landside toe obstructing landside of crown. (Spring 2019)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	04/12/2019 04/12/2019	Corey Fujitani

LM Start	<b>0.04</b>	Rating **	M	Issue No.	<b>48</b>
LM End	<b>4.08</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.772626 °	36.769519 °	
			-120.285167 °	-120.228517 °	
DWR ID	DWR_NA0010_24_s_2019_48				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>0.04</b>	Rating **	M	Issue No.	<b>50</b>
LM End	<b>3.76</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.772624 °	36.767767 °	
			-120.285167 °	-120.233436 °	
DWR ID	DWR_NA0010_24_s_2019_50				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>0.43</b>	Rating **	M	Issue No.	<b>20</b>
LM End	<b>0.43</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		36.767759 °	36.767759 °	
			-120.283559 °	-120.283559 °	
DWR ID	DWR_NA0010_24_f_2017_20				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There is a downed tree limb on the waterside.					

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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	04/12/2019 04/12/2019	Corey Fujitani

LM Start	0.82	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			36.766775 °	36.766962 °
				-120.278757 °	-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\_2019\_NA0010\_140\_6\_20190307\_00002.jpg



Looking at several rodent holes on landward slope.

LM Start	1.75	Rating **	M	Issue No.	23
LM End	1.75	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					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.52	Rating **	A/W	Issue No.	30
LM End	2.52	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.770298 °	36.770298 °
				-120.253468 °	-120.253468 °
DWR ID	DWR_NA0010_24_f_2018_30				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
There is a depression across the crown of the levee.					

Photo 1 of 1 : SP\_2019\_NA0010\_140\_30\_20190307\_00012.jpg



View of depression across crown. (Fall 2018)

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	04/12/2019 04/12/2019	Corey Fujitani

LM Start	2.83	Rating **	C	Issue No.	18
LM End	2.83	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.772188 °	36.772188 °
				-120.248702 °	-120.248702 °
DWR ID	DWR_NA0010_24_f_2017_18				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

LM Start	3.05	Rating **	U	Issue No.	51
LM End	3.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.770146 °	36.769966 °
				-120.245703 °	-120.244853 °
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\_2019\_NA0010\_140\_51\_20190429\_00046.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

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

**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	04/12/2019 04/12/2019	Corey Fujitani

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\_2019\_NA0010\_140\_7\_20190307\_00003.jpg



Looking east at one of several rodent holes on landward slope.

LM Start	3.53	Rating **	M	Issue No.	35
LM End	3.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.768873 °	36.768873 °
				-120.237161 °	-120.237161 °
DWR ID	DWR_NA0010_24_f_2018_35				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
There is vehicle damage to the landside slope. The land owner removed a section of the fence to allow access at this location.					

Photo 1 of 1 : SP\_2019\_NA0010\_140\_35\_20190307\_00015.jpg



View of damage to slope from vehicle traffic. (Fall 2018)

LM Start	3.76	Rating **	U	Issue No.	49
LM End	5.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.767767 °	36.782291 °
				-120.233436 °	-120.223202 °
DWR ID	DWR_NA0010_24_s_2019_49				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_140\_49\_20190429\_00048.jpg



View of landside slope looking downstream. (Spring 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	04/12/2019 04/12/2019	Corey Fujitani

LM Start	3.77	Rating **	M	Issue No.	36
LM End	3.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.767784 °	36.767784 °
				-120.233252 °	-120.233252 °
DWR ID	DWR_NA0010_24_f_2018_36				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
There is damage to the levee slope from vehicle traffic. The landowner appears to have removed a section of fencing to allow access at this location.					

Photo 1 of 1 : SP\_2019\_NA0010\_140\_36\_20190307\_00016.jpg



View of damage to slope from vehicle traffic. (Fall 2018)

LM Start	4.08	Rating **	U	Issue No.	24
LM End	7.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.769539 °	36.779339 °
				-120.228514 °	-120.199032 °
DWR ID	DWR_NA0010_24_s_2019_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_140\_24\_20190429\_00050.jpg



View of waterside slope looking downstream. (Spring 2019)

LM Start	4.27	Rating **	M	Issue No.	17
LM End	4.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.772003 °	36.772003 °
				-120.230075 °	-120.230075 °
DWR ID	DWR_NA0010_24_f_2017_17				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_140\_17\_20190307\_00006.jpg



Looking southeast 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	04/12/2019 04/12/2019	Corey Fujitani

LM Start	6.35	Rating **	C	Issue No.	14
LM End	6.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.788225 °	36.788225 °
				-120.209357 °	-120.209357 °
DWR ID	DWR_NA0010_24_s_2017_14				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes on levee landside shoulder and slope.					

No Photos

LM Start	6.72	Rating **	U	Issue No.	33
LM End	7.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.786687 °	36.779339 °
				-120.204749 °	-120.199032 °
DWR ID	DWR_NA0010_24_s_2019_33				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_140\_33\_20190429\_00051.jpg



View of landside slope looking upstream. (Spring 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.36	04/12/2019 04/12/2019	Corey Fujitani

LM Start	8.33	Rating **	M	Issue No.	273
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:33272 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 8.32)]. FS Date: 4/8/2014					

Photo 1 of 2 : UCIP\_SP\_2019\_33272\_60121.jpg



View of waterward side.

LM Start	<b>8.33</b>	Rating **	M	Issue No.	<b>273 (cont)</b>
LM End	<b>8.33</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_SP\_2019\_33272\_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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	03/25/2019 03/25/2019	Corey Fujitani

LM Start	0.00	Rating **	U	Issue No.	7
LM End	2.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296261 °	37.271165 °
				-120.880678 °	-120.866615 °
DWR ID	DWR_NA0010_25_f_2015_7				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_NA0010\_141\_7\_20190419\_00032.jpg



View of landside slope looking west. (Spring 2019)

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>7 (cont)</b>
LM End	<b>2.48</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0010\_141\_7\_20190307\_00001.jpg



View of landside slope looking south. (Fall 2018)

LM Start	0.00	Rating **	U	Issue No.	9
LM End	2.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296261 °	37.271161 °
				-120.880678 °	-120.866612 °
DWR ID	DWR_NA0010_25_f_2015_9				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0010\_141\_9\_20190419\_00033.jpg



View of waterside slope looking south. (Spring 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	03/25/2019 03/25/2019	Corey Fujitani

LM Start	0.00	Rating **	C	Issue No.	8
LM End	1.76	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.296259 °	37.281615 °
				-120.880677 °	-120.867133 °
DWR ID	DWR_NA0010_25_s_2012_8				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Control weeds on levee crown.					

No Photos

LM Start	0.02	Rating **	M	Issue No.	14
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:39501 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.02)]. FS Date: 5/1/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_39501\_67242.jpg



View of waterward side--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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	03/25/2019 03/25/2019	Corey Fujitani

LM Start	0.02	Rating **	M	Issue No.	14 (cont)	
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:39501 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.02)]. FS Date: 5/1/2014						

LM Start	<b>0.02</b>	Rating **	M	Issue No.	<b>14 (cont)</b>
LM End	<b>0.02</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39501\_67240.jpg



Pipe daylight visible on waterward toe.

Photo 3 of 3 : UCIP\_SP\_2019\_39501\_67241.jpg



View of landward side--dense vegetation 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	03/25/2019 03/25/2019	Corey Fujitani

LM Start	0.36	Rating **	M	Issue No.	15
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:36851 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.35)]. FS Date: 5/1/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36851\_67249.jpg



View of waterward side.

LM Start	<b>0.36</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>0.36</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36851\_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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	03/25/2019 03/25/2019	Corey Fujitani

LM Start	0.36	Rating **	M	Issue No.	15 (cont)
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:36851 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.35)]. FS Date: 5/1/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_36851\_67247.jpg



View of landward side.

LM Start	0.59	Rating **	M	Issue No.	16
LM End	0.59	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:36852 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.59)]. FS Date: 5/1/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36852\_67250.jpg



Overview of waterward side--Salt Slough.

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

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	03/25/2019 03/25/2019	Corey Fujitani

LM Start	0.59	Rating **	M	Issue No.	16 (cont)	
LM End	0.59	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:36852 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.59)]. FS Date: 5/1/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_36852\_67251.jpg



View of waterward slope covered by dense vegetation.

LM Start	<b>0.59</b>	Rating **	M	Issue No.	<b>16 (cont)</b>
LM End	<b>0.59</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_36852\_67252.jpg



Pipe 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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	03/25/2019 03/25/2019	Corey Fujitani

LM Start	0.97	Rating **	M	Issue No.	17
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:36853 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.97)]. FS Date: 5/1/2014					

LM Start	<b>0.97</b>	Rating **	M	Issue No.	<b>17 (cont)</b>
LM End	<b>0.97</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_36853\_67255.jpg



View of waterward side.

Photo 2 of 3 : UCIP\_SP\_2019\_36853\_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 2019**

**Lower San Joaquin Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	03/25/2019 03/25/2019	Corey Fujitani

LM Start	0.97	Rating **	M	Issue No.	17 (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					
Comment Code						
Inspector Comment						
FS_ID:36853 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 0.97)]. FS Date: 5/1/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_36853\_67254.jpg



View of landward side.

LM Start	1.00	Rating **	M	Issue No.	13
LM End	1.75	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.281791 °	37.281676 °
				-120.880747 °	-120.867253 °
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					

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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	03/25/2019 03/25/2019	Corey Fujitani

LM Start	1.75	Rating **	M	Issue No.	12
LM End	2.49	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.281677 °	37.271073 °
				-120.867254 °	-120.866562 °
DWR ID	DWR_NA0010_25_f_2018_12				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
There is heavy vegetation along the crown.					

Photo 1 of 2 : SP\_2019\_NA0010\_141\_12\_20190307\_00010.jpg



Looking east at typical view of levee crown. (Fall 2018)

LM Start	<b>1.75</b>	Rating **	M	Issue No.	<b>12 (cont)</b>
LM End	<b>2.49</b>	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : SP\_2019\_NA0010\_141\_12\_20190307\_00011.jpg



Looking east at typical view of levee crown. (Spring 2018)

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

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

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



**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	03/25/2019 03/25/2019	Corey Fujitani

LM Start	2.05	Rating **	M	Issue No.	18
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:36854 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.05)]. FS Date: 5/1/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_36854\_67259.jpg



View of landward side.

LM Start	<b>2.05</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>2.05</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_36854\_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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**Flood Control Project Maintenance  
Levee Inspections**

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

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	03/25/2019 03/25/2019	Corey Fujitani

LM Start	2.05	Rating **	M	Issue No.	18 (cont)
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:36854 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. (DWR UCIP - O. Magana) 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. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.05)]. FS Date: 5/1/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_36854\_67261.jpg



Flap gate and concrete headwall located on waterward toe.

LM Start	2.45	Rating **	M	Issue No.	19	
LM End	2.45	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					
Comment Code						
Inspector Comment						
FS_ID:39502 DS_ID:19970 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 on landward side--recommend clearing. (DWR UCIP - O. Magana) 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. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.45)]. FS Date: 5/1/2014 4:04:00 PM						

Photo 1 of 3 : UCIP\_SP\_2019\_39502\_67270.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                      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 2019

### Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.49	03/25/2019 03/25/2019	Corey Fujitani

LM Start	2.45	Rating **	M	Issue No.	19 (cont)	
LM End	2.45	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					
Comment Code						
Inspector Comment						
FS_ID:39502 DS_ID:19970 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 on landward side--recommend clearing. (DWR UCIP - O. Magana) 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. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.45)]. FS Date: 5/1/2014 4:04:00 PM						

LM Start	<b>2.45</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>2.45</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_39502\_67269.jpg



Pipe daylights at waterward toe.

Photo 3 of 3 : UCIP\_SP\_2019\_39502\_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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