

Flood Control Project Maintenance Levee Inspections

Fall 2020 Levee Maintenance Deficiency Summary Report

San Joaquin River Basin

RD2092	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 2092 Dos Rios	U	3.71						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.88	3.93	17.60	474.94%				
Trim / Thin Trees	0.10		0.10	2.70%				
Encroachments					1.14	0.58		
Animal Control		0.17	0.68	18.35%				
Slope Stability	0.01		0.01	0.27%				
Crown Surface / Depressions / Rutting	0.22		0.22	5.94%				
Flood Preparedness & Training	0.04		0.04	1.08%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.11			
DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	2.25	4.10	18.65	503.27%	1.25	0.58	0.00	0.00

Unit No. 01 San Joaquin River RB	Overall Unit Rating	Total Unit Miles						
RD2092	U	3.71						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.88	3.93	17.60	474.94%				
Trim / Thin Trees	0.10		0.10	2.70%				
Encroachments					1.14	0.58		
Animal Control		0.17	0.68	18.35%				
Slope Stability	0.01		0.01	0.27%				
Crown Surface / Depressions / Rutting	0.22		0.22	5.94%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.11			
DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	2.21	4.10	18.61	502.19%	1.25	0.58	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet**

Reclamation District No. 2092 Dos Rios

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

†

SPRING INSPECTIONS:
Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS:
The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet**

Reclamation District No. 2092 Dos Rios

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	3.71
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/12/2020 - 3/12/2020		9/16/2020 - 9/16/2020	
DWR Inspector	Corey Fujitani		Corey Fujitani	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	0.00	Rating **	M	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_RD2092_01_f_2012_18				
Comment Code					
Inspector Comment					
The LMA is prepared for flood response, but has not been involved in flood fight training for several years.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_RD2092_01_s_2012_24				
Comment Code					
Inspector Comment					
LMA has the O&M manual for their district.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	26
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_RD2092_01_s_2012_26				
Comment Code					
Inspector Comment					
LMA has adequate flood fighting supplies.					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	0.08	Rating **	U	Issue No.	15
LM End	0.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.602510 °	37.602526 °
				-121.159538 °	-121.159584 °
DWR ID	DWR_RD2092_01_s_2019_15				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove large pruning pile along landside toe and slope.					

Photo 1 of 1 : FA_2020_RD2092_116_15_20200901_00003.jpg



Large pruning pile along levee slope and toe. (Spring 2019)

LM Start	0.09	Rating **	M	Issue No.	32
LM End	0.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.602481 °	37.596641 °
				-121.159705 °	-121.168440 °
DWR ID	DWR_RD2092_01_f_2020_32				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.09	Rating **	U	Issue No.	30
LM End	2.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.602477 °	37.583295 °
				-121.159706 °	-121.156664 °
DWR ID	DWR_RD2092_01_f_2020_30				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2020_RD2092_116_30_20200918_00073.jpg



Looking upstream along the landside slope. (Fall 2020)

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	0.18	Rating **	U	Issue No.	973
LM End	0.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.602031 °	37.602031 °
				-121.161249 °	-121.161249 °
DWR ID	20561				

Comment Code

Inspector Comment

DS_ID:20561
FS_ID:53799
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: Pipe Integrity
Crossing Status: Found
UCIP Comments: 03/12/2019 A thorough internal evaluation of this crossing is necessary. Pipe shows evidence of pipe integrity (LS) issues (pipe wall sections missing on LS inlet) and levee integrity issues (sink hole visible along LS pipe alignment). Internal inspection is recommended for this crossing to determine the extent of pipe damage through the levee. Pipe crosses the levee at an angle at a depth of about 19 feet. Recommend caution be taken at this crossing when driving over levee until additional information becomes available to determine condition of pipe through levee. Recommend cover be placed on riser to address safety concern (riser is 80 inches in diameter and about 19 feet deep). Slide gate appears to be blocked by sediment/debris preventing slide gate to work properly. Unable to confirm if the flap gate located on the WS is still broken (see photo from 2017). (O. Magana - DWR UCIP)09/24/2013 Pipe rusted through at headwall on LS toe. Good candidate for video inspection. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 60-inch corrugated metal drainage pipe through the levee, 19 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in an 80-inch corrugated metal pipe (CMP) riser on the WS slope. Concrete U-shaped headwalls on both ends.
[Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 0.18)].
FS Date: 3/12/2019 12:05:00 PM

Photo 1 of 3 : UCIP_FA_2020_53799_79055.jpg



Overview of levee with approximate pipe alignment (pipe angled through levee).

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	0.18	Rating **	U	Issue No.	973 (cont)
LM End	0.18	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.602031 °	37.602031 °	
			-121.161249 °	-121.161249 °	
DWR ID	20561				

Photo 2 of 3 : UCIP_FA_2020_53799_79054.jpg



LS view: overview of LS with sink hole visible along pipe alignment.

LM Start	0.18	Rating **	U	Issue No.	973 (cont)
LM End	0.18	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2020_53799_79058.jpg



LS view: pipe crosses levee at angle, approximate alignment on LS.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	0.19	Rating **	M	Issue No.	974
LM End	0.19	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.601999 °	37.601999 °
				-121.161372 °	-121.161372 °
DWR ID	20581				
Comment Code					
Inspector Comment					
DS_ID:20581 FS_ID:53815 EP_NO: 6254A Repair Type: Non-Urgent EVAL Issue: Unauthorized Modification or Non-Compliant Permit Crossing Status: Found UCIP Comments: 03/12/2019 Pipe has been altered on both WS and LS. A PVC pipe has been sleeved through an existing 22-inch pipe, no records have been found approving modification. This crossing appears abandoned, power source and power meter have been disconnected. Need to coordinate with CVFPB and owner. Crossing should be removed/abandoned properly per Title 23. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 22-inch steel drainage pipe through the levee, 0.5 feet below the crown. 18-inch polyvinyl chloride (PVC) pipe sleeved through the 22-inch steel pipe. 6-inch pad constructed over the pipes. This pumping plant was constructed in 1969 during emergency conditions without a permit. Replaced a 20-inch pipe at the same location. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/12/2019 12:05:00 PM					

LM Start	0.19	Rating **	M	Issue No.	974 (cont)
LM End	0.19	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2020_53815_79066.jpg



Overview of levee looking d/s towards crossing.

Photo 2 of 3 : UCIP_FA_2020_53815_79067.jpg



Crown view: levee section raised at pipe crossing.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	0.19	Rating **	M	Issue No.	974 (cont)
LM End	0.19	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.601999 °	37.601999 °	
			-121.161372 °	-121.161372 °	
DWR ID	20581				

Photo 3 of 3 : UCIP_FA_2020_53815_79064.jpg



Overview of levee crown at pipe crossing, photo taking looking d/s.

LM Start	0.19	Rating **	M	Issue No.	975
LM End	0.19	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.601978 °	37.601978 °	
			-121.161370 °	-121.161370 °	
DWR ID	20573				

No Photos

Comment Code

Inspector Comment

DS_ID:20573
 FS_ID:53829
 EP_NO: 4699
 Repair Type: Non-Urgent
 EVAL Issue: Pipe Not Found
 Crossing Status: Not Found
 UCIP Comments: 03/12/2019 Need to confirm status of crossing through levee section. Additional information regarding pipe use can be found in permit recordation, page 18 of 29. Levee logs indicate 12-inch pipe was removed in 2003 however, no documentation detailing extent of removal is available. (O. Magana - DWR UCIP)
 09/24/2013 Appears abandoned and should be verified as having been removed from levee. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 12-inch steel drainage pipe over the levee with 3.5 feet of fill on the top. Siphon breakers on the waterside (WS) shoulder. Pad constructed over the pipes. This pumping plant was constructed in 1969 during emergency conditions without a permit. 12-inch pipe debris on the berm at the WS toe. [Additional Reference(s): DWR Levee Log, 2005].
 FS Date: 3/12/2019 12:06:00 PM

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	0.19	Rating **	M	Issue No.	976
LM End	0.19	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.601976 °	37.601976 °
				-121.161395 °	-121.161395 °
DWR ID	20579				

Comment Code

Inspector Comment

DS_ID:20579
FS_ID:53830
EP_NO: 6254
Repair Type: Non-Urgent
EVAL Issue: Pipe Not Found
Crossing Status: Not Found
UCIP Comments: 03/12/2019 Need to confirm the status of the crossing through levee section. Levee logs indicate 14-inch pipe was removed in 2003 however, no documentation detailing extent of removal is available. Potential evidence of pipe recorded by UCIP Inspector W. Wylie in 2013. Unable to access WS toe due to high water, recommend inspecting crossing in early fall. (O. Magana - DWR UCIP)
09/24/2013 Verify pipe has been removed from levee. Pipe visible on WS at riverbank. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: *ABANDONED* 16-inch steel drainage pipe over the levee with 3.5 feet of the fill on the top. Siphon breakers on the waterside (WS) shoulder. Pad constructed over pipes. This pumping plant was constructed in 1969 during emergency conditions without a permit. (20-inch pipe authorized to replace unauthorized 20-inch pipe and the removal of existing 12-inch and 14-inch pipe from levee section, work authorized under Permit No. 6254, 1968 - John and Robert Bogetti). [Additional Reference(s): DWR Levee Log, 2005].
FS Date: 3/12/2019 12:06:00 PM

LM Start	0.19	Rating **	M	Issue No.	976 (cont)
LM End	0.19	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2020_53830_35205.jpg



Pipe visible at rivers edge on WS toe.

Photo 2 of 2 : UCIP_FA_2020_53830_35204.jpg



Pipe visible at rivers edge on WS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	0.42	Rating **	M	Issue No.	28
LM End	0.42	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.601207 °	37.601207 °
				-121.165508 °	-121.165508 °
DWR ID	DWR_RD2092_01_f_2014_28				
Comment Code					
PO : Pole					
Inspector Comment					

No Photos

LM Start	0.44	Rating **	M	Issue No.	31
LM End	0.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.601149 °	37.601149 °
				-121.165772 °	-121.165772 °
DWR ID	DWR_RD2092_01_s_2018_31				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove small tree on waterward shoulder before tree is establish.					

Photo 1 of 1 : FA_2020_RD2092_116_31_20200901_00014.jpg



Looking upstream at small tree on waterward should next to pole.
(Spring 2018)

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	0.59	Rating **	M	Issue No.	40
LM End	0.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.599406 °	37.599406 °
				-121.167083 °	-121.167083 °
DWR ID	DWR_RD2092_01_f_2018_40				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Vehicle tracks on the landside slope should be repaired.					

Photo 1 of 1 : FA_2020_RD2092_116_40_20200901_00017.jpg



Vehicle tracks on landside slope approximately 6" deep perpendicular to the slope. (Fall 2018)

LM Start	0.61	Rating **	M	Issue No.	21
LM End	0.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.599208 °	37.599208 °
				-121.167150 °	-121.167150 °
DWR ID	DWR_RD2092_01_s_2018_21				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove small tree on waterward shoulder before tree is established.					

Photo 1 of 1 : FA_2020_RD2092_116_21_20200918_00074.jpg



Looking upstream at a tree growing in the waterside shoulder. (Fall 2020)

LM Start	0.62	Rating **	M	Issue No.	34
LM End	0.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.599070 °	37.599070 °
				-121.167223 °	-121.167223 °
DWR ID	DWR_RD2092_01_f_2020_34				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Small elderberry tree growing in the landside slope. Recommend removing before it can establish.					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	0.76	Rating **	M	Issue No.	968
LM End	1.31	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.597291 °	37.590568 °
				-121.168496 °	-121.164028 °
DWR ID	DWR_RD2092_01_s_2012_968				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : FA_2020_RD2092_116_968_20200901_00033.jpg



View of agricultural ditch at the landward toe looking upstream.

LM Start	0.79	Rating **	M	Issue No.	42
LM End	0.83	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.596895 °	37.596351 °
				-121.168493 °	-121.168360 °
DWR ID	DWR_RD2092_01_f_2018_42				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

LM Start	0.80	Rating **	U	Issue No.	36
LM End	2.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.596641 °	37.577069 °
				-121.168440 °	-121.157161 °
DWR ID	DWR_RD2092_01_f _ 2020_36				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2020_RD2092_116_36_20200918_00075.jpg



View of the waterside slope looking upstream. (Fall 2020)

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	1.25	Rating **	M	Issue No.	39
LM End	1.31	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.590936 °	37.590524 °
				-121.164819 °	-121.163947 °
DWR ID	DWR_RD2092_01_s_2017_39				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

Photo 1 of 1 : FA_2020_RD2092_116_39_20200901_00016.jpg



Looking upstream at rutting and depression on levee crown. (Spring 2018)

LM Start	1.30	Rating **	M	Issue No.	977	
LM End	1.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.590603 °		37.590603 °
				-121.164111 °		-121.164111 °
DWR ID	20562					
Comment Code						
Inspector Comment						

DS_ID:20562

FS_ID:53820

EP_NO: N/A

Repair Type: Non-Urgent

EVAL Issue: Maintenance Compliance Issue

Crossing Status: Found

UCIP Comments: 03/12/2019 During UCIP visual inspection, no pipe or levee integrity issues were observed. Distribution box located on the WS is falling apart (bricks missing). This crossing is an active crossing however, no permit has been found authorizing crossing. Need to determine who maintains and operates this crossing. (O. Magana - DWR UCIP)

FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. 4-foot by 6-foot concrete distribution box on the landside (LS) toe. 5-foot by 5-foot concrete riser on the WS toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 1.31)].

FS Date: 3/12/2019 12:06:00 PM

Photo 1 of 3 : UCIP_FA_2020_53820_79073.jpg



Overview of pipe alignment through levee, photo taking looking d/s toward crossing.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	1.30	Rating **	M	Issue No.	977 (cont)
LM End	1.30	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.590603 °	37.590603 °	
			-121.164111 °	-121.164111 °	
DWR ID	20562				

Photo 2 of 3 : UCIP_FA_2020_53820_79078.jpg



WS view: approximate alignment on WS.

LM Start	1.30	Rating **	M	Issue No.	977 (cont)
LM End	1.30	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2020_53820_35213.jpg



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

LM Start	1.31	Rating **	M	Issue No.	46
LM End	1.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.590563 °	37.590563 °
				-121.164005 °	-121.164005 °
DWR ID	DWR_RD2092_01_f _ 2019_46				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	1.56	Rating **	M	Issue No.	8
LM End	1.84	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.587575 °	37.584057 °
				-121.162454 °	-121.162387 °
DWR ID	DWR_RD2092_01_s_2012_8				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : FA_2020_RD2092_116_8_20200901_00001.jpg



View of unlined ditch along the waterside toe looking upstream. (Spring 2020)

LM Start	1.59	Rating **	U	Issue No.	47
LM End	2.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.587182 °	37.583542 °
				-121.162688 °	-121.157028 °
DWR ID	DWR_RD2092_01_f_2019_47				
Comment Code					
CR : Crops					
Inspector Comment					

Photo 1 of 1 : FA_2020_RD2092_116_47_20200918_00076.jpg



View of corn planted on the landside toe. (Fall 2020)

LM Start	1.60	Rating **	M	Issue No.	48
LM End	1.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.587068 °	37.587068 °
				-121.162773 °	-121.162773 °
DWR ID	DWR_RD2092_01_f_2019_48				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA_2020_RD2092_116_48_20200901_00024.jpg



View of branches hanging over waterside slope. (Fall 2019)

*** Location**

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

**** Rating**

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

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	1.62	Rating **	M	Issue No.	38
LM End	1.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.586842 °	37.586842 °
				-121.162897 °	-121.162897 °
DWR ID	DWR_RD2092_01_f_2020_38				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Young elderberry tree growing in the waterside shoulder. Recommend removing before it can establish.					

No Photos

LM Start	1.65	Rating **	M	Issue No.	49
LM End	1.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.586430 °	37.586430 °
				-121.163108 °	-121.163108 °
DWR ID	DWR_RD2092_01_f_2019_49				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA_2020_RD2092_116_49_20200901_00026.jpg



View of branches hanging over levee crown. (Fall 2019)

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	1.69	Rating **	U	Issue No.	978	
LM End	1.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.585938 °	37.585938 °	
				-121.163348 °	-121.163348 °	
DWR ID	20563					
Comment Code						
Inspector Comment						
DS_ID:20563 FS_ID:53817 EP_NO: N/A Repair Type: Urgent EVAL Issue: Pipe Integrity Crossing Status: Found UCIP Comments: 03/12/2019 A thorough internal evaluation of this crossing is required, pipe shows evidence of pipe integrity (LS) issues (pipe wall sections missing on WS outlet). Internal inspection is recommended for this crossing to determine the extent of pipe damage through the levee. Maintenance issues identified at this crossing include: flap gate missing on WS, debris found inside concrete distribution box, and missing cover on riser. No permit has been identified for this crossing. Need to determine who maintains crossing; crossing appears functional. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 1.71)]. FS Date: 3/12/2019 12:07:00 PM						

LM Start	1.69	Rating **	U	Issue No.	978 (cont)
LM End	1.69	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2020_53817_79086.jpg



Overview of levee crown looking d/s towards pipe crossing.

Photo 2 of 3 : UCIP_FA_2020_53817_79087.jpg



WS view: overview of WS.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	1.69	Rating **	U	Issue No.	978 (cont)	
LM End	1.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.585938 °	37.585938 °	
				-121.163348 °	-121.163348 °	
DWR ID	20563					

Photo 3 of 3 : UCIP_FA_2020_53817_79085.jpg



LS view: overview of LS.

LM Start	1.92	Rating **	C	Issue No.	37
LM End	1.98	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.584273 °	37.584361 °
				-121.161034 °	-121.159955 °
DWR ID	DWR_RD2092_01_s_2017_37				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	2.07	Rating **	M	Issue No.	979
LM End	2.07	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.584212 °	37.584212 °
				-121.158347 °	-121.158347 °
DWR ID	20564				
Comment Code					
Inspector Comment					
DS_ID:20564 FS_ID:53814 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Found UCIP Comments: 03/12/2019 Concrete headwall found on LS toe. Pipe appears to have been grouted through. No other appurtenances were found during inspection. WS outlet was not found. Need to coordinate with the CVFPB to determine if additional steps are needed to comply with Title 23. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 30-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. Filled with concrete on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 2.10), 36-inch pipe listed]. FS Date: 3/12/2019 12:08:00 PM					

LM Start	2.07	Rating **	M	Issue No.	979 (cont)
LM End	2.07	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2020_53814_79091.jpg



Overview of levee crown, looking u/s from d/s, and approximate pipe alignment.

Photo 2 of 3 : UCIP_FA_2020_53814_79092.jpg



Overview of levee at crossing, photo taken u/s looking d/s towards pipe crossing.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	2.07	Rating **	M	Issue No.	979 (cont)	
LM End	2.07	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.584212 °	37.584212 °	
				-121.158347 °	-121.158347 °	
DWR ID	20564					

Photo 3 of 3 : UCIP_FA_2020_53814_79093.jpg



LS view: concrete riser, power pole, and groundwater pump station.

LM Start	2.07	Rating **	M	Issue No.	980
LM End	2.07	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.584182 °	37.584182 °
				-121.158286 °	-121.158286 °
DWR ID	20565				

No Photos

Comment Code

Inspector Comment

DS_ID:20565
 FS_ID:53821
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue: Pipe Not Found
 Crossing Status: Not Found
 UCIP Comments: 03/12/2019 Need to confirm status of crossing through levee section. No permit was found authorizing crossing. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 6-inch pipe of an unknown material or purpose through the levee, 1.5 feet below the crown. [Additional Reference(s): DWR Levee Log, 2005].
 FS Date: 3/12/2019 12:08:00 PM

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	2.18	Rating **	M	Issue No.	41
LM End	3.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.583271 °	37.574218 °
				-121.156632 °	-121.153007 °
DWR ID	DWR_RD2092_01_f _ 2020_41				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.18	Rating **	C	Issue No.	33
LM End	2.22	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.583247 °	37.582851 °
				-121.156621 °	-121.156119 °
DWR ID	DWR_RD2092_01_s_2019_33				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

LM Start	2.23	Rating **	M	Issue No.	43
LM End	2.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.582717 °	37.582717 °
				-121.155980 °	-121.155980 °
DWR ID	DWR_RD2092_01_f _ 2020_43				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Palm tree in landside toe should be removed before it can establish.					

Photo 1 of 1 : FA_2020_RD2092_116_43_20200918_00077.jpg



View of small palm tree growing on the landside toe. (Fall 2020)

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	2.29	Rating **	M	Issue No.	59
LM End	2.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.581898 °	37.581898 °
				-121.155857 °	-121.155857 °
DWR ID	DWR_RD2092_01_s _ 2020_59				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Palm tree should be removed from the landside toe before it can establish.					

Photo 1 of 1 : FA_2020_RD2092_116_59_20200901_00031.jpg



Upclose view of palm tree growing at the levee toe. (Spring 2020)

LM Start	2.34	Rating **	M	Issue No.	981	
LM End	2.34	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.581226 °	37.581226 °	
				-121.156175 °	-121.156175 °	
DWR ID	24680					
Comment Code						
Inspector Comment						
DS_ID:24680						
FS_ID:53805						
EP_NO: N/A						
Repair Type: Non-Urgent						
EVAL Issue: Unauthorized Modification or Non-Compliant Permit						
Crossing Status: Found						
UCIP Comments: 03/12/2019 No permit was found authorizing						
modifications to existing crossing. New crossing was added at this						
levee section using the old appurtenances associated with USACE						
O&M Legacy system Pipe (dsid 20566). The pipe associated with dsid						
20566 has been grouted through (see dsid 20566 detail report).						
Irrigation pipe is functional and pipe is being maintained. Unable to						
confirm if riser located on WS is being used with this crossing. Need to						
coordinate with CVFPB to determine owner and if permit was issued for						
the modifications of this crossing. (O. Magana - DWR UCIP)						
09/24/2013 No permit identified for this crossing. (W. Wylie - DWR						
UCIP)						
FIELD_STRUCT_DESC: 21-inch polyvinyl chloride (PVC) irrigation pipe						
through the levee, at an unknown depth. Pipe discharges into a						
concrete distribution box on the landside (LS) toe. Pump on pier off the						
waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 2005].						
FS Date: 3/12/2019 12:08:00 PM						

Photo 1 of 3 : UCIP_FA_2020_53805_79106.jpg



WS view: overview of WS.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	2.34	Rating **	M	Issue No.	981 (cont)
LM End	2.34	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.581226 °	37.581226 °	
			-121.156175 °	-121.156175 °	
DWR ID	24680				

Photo 2 of 3 : UCIP_FA_2020_53805_79105.jpg



Overview of levee crown looking d/s towards crossing.

LM Start	2.34	Rating **	M	Issue No.	981 (cont)
LM End	2.34	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2020_53805_79104.jpg



LS view: overview of LS.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	2.34	Rating **	M	Issue No.	982
LM End	2.34	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.581213 °	37.581213 °
				-121.156175 °	-121.156175 °
DWR ID	20566				
Comment Code					
Inspector Comment					
DS_ID:20566 FS_ID:54051 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Safety Issue Crossing Status: Found UCIP Comments: 03/12/2019 Concrete distribution box found on LS with evidence that 24-inch pipe was going through levee. Pipe appears to have been grouted through. Riser is still present on WS however, unable to determine if pipe was grouted all the way through the levee section. Concrete distribution box is currently being used by an unauthorized pipe encroachment (see DSID 24680). Lid missing from CMP riser. Owner needs to add lid to riser to prevent entry in confined space. Need to coordinate with the CVFPB to determine how to address abandoned appurtenances and pipe abandonment. (O. Magana - DWR UCIP) 09/24/2013 Pipe appears abandoned and needs to be verified as having been done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal irrigation pipe through the levee, 11 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. 5-foot by 5-foot concrete distribution box on the landside (LS). Pump on platform in the channel. Pipe filled with concrete on the LS toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 2.38)]. FS Date: 3/12/2019 12:09:00 PM					

LM Start	2.34	Rating **	M	Issue No.	982 (cont)
LM End	2.34	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2020_54051_79112.jpg



WS view: overview of WS.

Photo 2 of 3 : UCIP_FA_2020_54051_79111.jpg



Overview of levee crown looking d/s looking towards crossing.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	2.34	Rating **	M	Issue No.	982 (cont)
LM End	2.34	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.581213 °	37.581213 °
				-121.156175 °	-121.156175 °
DWR ID	20566				

Photo 3 of 3 : UCIP_FA_2020_54051_79110.jpg



LS view: overview of LS.

LM Start	2.34	Rating **	M	Issue No.	58
LM End	2.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.581166 °	37.581166 °
				-121.156156 °	-121.156156 °
DWR ID	DWR_RD2092_01_s_2020_58				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Palm tree should be removed from the landside slope.					

Photo 1 of 1 : FA_2020_RD2092_116_58_20200901_00029.jpg



View of palm tree growing on the landside slope. (Spring 2020)

LM Start	2.37	Rating **	M	Issue No.	20
LM End	2.37	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.580821 °	37.580821 °
				-121.156468 °	-121.156468 °
DWR ID	DWR_RD2092_01_f_2014_20				
Comment Code					
PO : Pole					
Inspector Comment					

Photo 1 of 1 : FA_2020_RD2092_116_20_20200901_00010.jpg



View of the pole on the landside slope of the levee looking upstream. (Spring 2020)

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	2.40	Rating **	M	Issue No.	983	
LM End	2.40	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.580426 °	37.580426 °	
				-121.156798 °	-121.156798 °	
DWR ID	20567					
Comment Code						
Inspector Comment						
DS_ID:20567 FS_ID:54052 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Limited Inspection/No UCIP Evaluation Crossing Status: Indicator Found UCIP Comments: 03/12/2019 Unable to locate concrete headwall on the WS due to high water. Unable to locate concrete headwall on LS due to dense vegetation. No permit was found authorizing crossing. If crossing is no longer in use recommend removing crossing and appurtenances from levee. Need to coordinate with CVFPB to determine pipe owner. (O. Magana - DWR UCIP) 09/24/2013 Appears abandoned and if so should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on the WS end. Concrete headwall on the landside (LS) toe next to pump. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 2.44)]. FS Date: 3/12/2019 12:09:00 PM						

Photo 1 of 3 : UCIP_FA_2020_54052_79119.jpg



WS view: overview of WS.

LM Start	2.40	Rating **	M	Issue No.	983 (cont)
LM End	2.40	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2020_54052_79118.jpg



Overview of levee crown looking d/s towards crossing.

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

Reclamation District No. 2092 Dos Rios

Page 25 of 38

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	2.41	Rating **	M	Issue No.	984 (cont)
LM End	2.41	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.580405 °	37.580405 °	
			-121.156825 °	-121.156825 °	
DWR ID	20568				

Photo 2 of 3 : UCIP_FA_2020_53808_79125.jpg



Overview of levee crown.

LM Start	2.41	Rating **	M	Issue No.	984 (cont)
LM End	2.41	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2020_53808_79124.jpg



LS view: overview of LS.

LM Start	2.44	Rating **	M	Issue No.	50
LM End	2.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.579945 °	37.579945 °
				-121.156995 °	-121.156995 °
DWR ID	DWR_RD2092_01_f_2019_50				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Palm tree should be removed from landside slope before it can establish.					

Photo 1 of 1 : FA_2020_RD2092_116_50_20200901_00027.jpg



View of palm tree in the landside slope. (Spring 2020)

*** Location**

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

**** Rating**

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

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	2.49	Rating **	M	Issue No.	51
LM End	2.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.579133 °	37.579133 °
				-121.156981 °	-121.156981 °
DWR ID	DWR_RD2092_01_f _ 2019_51				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Palm tree should be removed from landside toe before it can establish.					

Photo 1 of 1 : FA_2020_RD2092_116_51_20200901_00028.jpg



View of palm tree growing in landside toe. (Fall 2019)

LM Start	2.55	Rating **	M	Issue No.	19
LM End	2.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.578333 °	37.578333 °
				-121.157011 °	-121.157011 °
DWR ID	DWR_RD2092_01_s_2018_19				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Palm trees at landward slope and toe should be removed.					

Photo 1 of 2 : FA_2020_RD2092_116_19_20200901_00008.jpg



View of palm tree growing on landside slope. (Fall 2019)

LM Start	2.55	Rating **	M	Issue No.	19 (cont)
LM End	2.55	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2020_RD2092_116_19_20200901_00009.jpg



Looking at Palm tree at landward toe. (Spring 2018)

*** Location**

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

**** Rating**

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

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	2.59	Rating **	U	Issue No.	44
LM End	2.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.577789 °	37.577159 °
				-121.157090 °	-121.157150 °
DWR ID	DWR_RD2092_01_f_2018_44				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are several burrows along the landside slope that need to be backfilled.					

Photo 1 of 2 : FA_2020_RD2092_116_44_20200901_00018.jpg



View of rodent burrows in landside slope. (Spring 2020)

LM Start	2.59	Rating **	U	Issue No.	44 (cont)
LM End	2.63	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2020_RD2092_116_44_20200901_00019.jpg



View of animal burrows looking upstream. (Fall 2018)

LM Start	2.61	Rating **	M	Issue No.	22
LM End	2.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.577387 °	37.577387 °
				-121.157133 °	-121.157133 °
DWR ID	DWR_RD2092_01_f_2014_22				
Comment Code					
PO : Pole					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	2.62	Rating **	M	Issue No.	53
LM End	2.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.577261 °	37.577261 °
				-121.157146 °	-121.157146 °
DWR ID	DWR_RD2092_01_f_2019_53				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	2.62	Rating **	U	Issue No.	52
LM End	2.62	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.577240 °	37.577240 °
				-121.157148 °	-121.157148 °
DWR ID	DWR_RD2092_01_f_2020_52				
Comment Code					
PI : Pipe					
Inspector Comment					
Temporary pipe constructed across levee crown. Obstructing access.					

Photo 1 of 1 : FA_2020_RD2092_116_52_20200918_00078.jpg



View of temporary PVC pipe constructed across the levee alignment.
(Fall 2020)

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	2.63	Rating **	U	Issue No.	17
LM End	2.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.577186 °	37.575364 °
				-121.157159 °	-121.157093 °
DWR ID	DWR_RD2092_01_s_2018_17				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several large rodent holes within this reach need to be backfilled.					

Photo 1 of 1 : FA_2020_RD2092_116_17_20200901_00004.jpg



Looking upstream on waterward slope at several large rodent holes.
(Spring 2018)

LM Start	2.64	Rating **	M	Issue No.	54
LM End	2.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.577069 °	37.574433 °
				-121.157161 °	-121.153963 °
DWR ID	DWR_RD2092_01_f_2020_54				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.69	Rating **	M	Issue No.	23
LM End	2.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.576363 °	37.576363 °
				-121.157212 °	-121.157212 °
DWR ID	DWR_RD2092_01_f_2014_23				
Comment Code					
PO : Pole					
Inspector Comment					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	2.74	Rating **	M	Issue No.	45
LM End	2.74	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.575514 °	37.575514 °
				-121.157140 °	-121.157140 °
DWR ID	DWR_RD2092_01_s_2019_45				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Depression and rutting in levee crown should be repaired.					

Photo 1 of 1 : FA_2020_RD2092_116_45_20200901_00021.jpg



View of depression in levee crown. (Spring 2019)

LM Start	2.77	Rating **	M	Issue No.	27
LM End	2.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.575182 °	37.575182 °
				-121.157007 °	-121.157007 °
DWR ID	DWR_RD2092_01_f_2017_27				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2020_RD2092_116_27_20200901_00013.jpg



View of a fence on the landside toe of the levee looking downstream.

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	2.79	Rating **	M	Issue No.	985	
LM End	2.79	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.575002 °	37.575002 °	
				-121.156753 °	-121.156753 °	
DWR ID	20569					
Comment Code						
Inspector Comment						
DS_ID:20569 FS_ID:53813 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Not Found Crossing Status: Not Found UCIP Comments: 03/12/2019 Need to confirm status of crossing through levee section. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Concrete U-shaped headwall and flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 2.83)]. FS Date: 3/12/2019 12:10:00 PM						

LM Start	2.79	Rating **	M	Issue No.	985 (cont)
LM End	2.79	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2020_53813_79128.jpg



LS view: overview of LS.

Photo 2 of 3 : UCIP_FA_2020_53813_79129.jpg



Overview of levee crown where crossing should be.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	2.79	Rating **	M	Issue No.	985 (cont)
LM End	2.79	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.575002 °	37.575002 °	
			-121.156753 °	-121.156753 °	
DWR ID	20569				

Photo 3 of 3 : UCIP_FA_2020_53813_79130.jpg



WS view: overview of WS.

LM Start	2.79	Rating **	M	Issue No.	972
LM End	3.05	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.574973 °	37.574001 °
				-121.156647 °	-121.152183 °
DWR ID	DWR_RD2092_01_f _ 2018_972				
Comment Code					
FE : Fence					
Inspector Comment					
Barbed wire fence on waterside toe of the levee.					

Photo 1 of 1 : FA_2020_RD2092_116_972_20200901_00034.jpg



View of barbed wire fence along the waterward slope looking upstream.

LM Start	2.82	Rating **	C	Issue No.	35
LM End	3.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.574869 °	37.574141 °
				-121.156247 °	-121.152762 °
DWR ID	DWR_RD2092_01_s_2017_35				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	2.83	Rating **	M	Issue No.	60
LM End	2.94	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.574810 °	37.574425 °
				-121.155947 °	-121.154046 °
DWR ID	DWR_RD2092_01_s _ 2020_60				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Potholes and rutting in the levee crown should be repaired.					

Photo 1 of 1 : FA_2020_RD2092_116_60_20200918_00079.jpg



View of rutting on the levee crown looking downstream. (Fall 2020)

LM Start	2.86	Rating **	M	Issue No.	986	
LM End	2.86	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.574741 °	37.574741 °	
				-121.155495 °	-121.155495 °	
DWR ID	20570					
Comment Code						
Inspector Comment						
DS_ID:20570 FS_ID:53810 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Unauthorized Encroachment, installed decades prior Crossing Status: Indicator Found UCIP Comments: 03/12/2019 Unable to locate concrete headwall on the WS. Concrete headwall is still visible on the LS however, this crossing appears to be abandoned. No permit was found authorizing crossing. If crossing is no longer in use recommend removing crossing and appurtenances from levee. (O. Magana - DWR UCIP) 09/24/2013 Appears abandoned and if so, should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown. Concrete U-shaped headwall and flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961]. FS Date: 3/12/2019 12:11:00 PM						

Photo 1 of 3 : UCIP_FA_2020_53810_79135.jpg



Overview of levee at crossing, photo taken d/s looking u/s towards crossing.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	2.86	Rating **	M	Issue No.	986 (cont)
LM End	2.86	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.574741 °	37.574741 °	
			-121.155495 °	-121.155495 °	
DWR ID	20570				

Photo 2 of 3 : UCIP_FA_2020_53810_79136.jpg



Overview of levee at crossing, photo taken u/s looking d/s towards crossing.

LM Start	2.86	Rating **	M	Issue No.	986 (cont)
LM End	2.86	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2020_53810_79140.jpg



LS view: heavy burrow activity observed on LS slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	3.46	Rating **	M	Issue No.	987
LM End	3.46	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.573289 °	37.573289 °	
			-121.144813 °	-121.144813 °	
DWR ID	20571				
Comment Code					
Inspector Comment					
DS_ID:20571 FS_ID:53818 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Pipe Not Found Crossing Status: Not Found UCIP Comments: 03/12/2019 Need to confirm status of crossing through levee section. No permit was found authorizing crossing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: Underground telephone cable sign on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/12/2019 12:11:00 PM					

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	3.47	Rating **	M	Issue No.	988	
LM End	3.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.573304 °	37.573304 °	
				-121.144747 °	-121.144747 °	
DWR ID	20572					
Comment Code						
Inspector Comment						
DS_ID:20572 FS_ID:53786 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Safety Issue Crossing Status: Found UCIP Comments: 03/12/2019 No permit was found authorizing crossing. Unable to confirm if crossing is in use. Recommend adding cover to riser to address safety concern. No slide gate was found in CMP riser. If crossing is no longer in use, recommend proper abandonment or removal from levee. Owner will need to coordinate with CVFPB to be compliant with Title 23. (O. Magana - DWR UCIP) 09/24/2013 This pipe appears abandoned and if so, should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 36-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwalls on both ends. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 5, August 1961, (HLM 3.52)]. FS Date: 3/12/2019 12:11:53 PM						

LM Start	3.47	Rating **	M	Issue No.	988 (cont)
LM End	3.47	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2020_53786_79145.jpg



Overview of levee crown looking d/s towards crossing.

Photo 2 of 3 : UCIP_FA_2020_53786_79150.jpg



Overview of levee crown looking u/s towards crossing.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	09/16/2020 09/16/2020	Corey Fujitani

LM Start	3.47	Rating **	M	Issue No.	988 (cont)
LM End	3.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.573304 °	37.573304 °
				-121.144747 °	-121.144747 °
DWR ID	20572				

Photo 3 of 3 : UCIP_FA_2020_53786_79144.jpg



LS view: overview of land use on LS.

* 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
--	---	---