

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2020 Levee Inspection Results

Reclamation District No. 2092 Dos Rios

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

** 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

Spring 2020 Levee Inspection Results

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)				
Date of Inspection	3/12/2020 - 3/12/2020			
DWR Inspector	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 - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	Corey Fujitani

LM Start	0.00	Rating **	A	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					
LMA preparedness and training is adequate for flood response.					

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 M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	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 : SP_2020_RD2092_116_15_20200225_00002.jpg



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

LM Start	0.08	Rating **	M	Issue No.	30
LM End	0.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.602492 °	37.598712 °	
			-121.159582 °	-121.167486 °	
DWR ID	DWR_RD2092_01_s_2020_30				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.11	Rating **	M	Issue No.	38
LM End	1.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.602369 °	37.584388 °	
			-121.160089 °	-121.160606 °	
DWR ID	DWR_RD2092_01_s_2020_38				
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**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	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 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_SP_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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	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_SP_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
 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	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 : SP_2020_RD2092_116_31_20200225_00012.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 M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	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 : SP_2020_RD2092_116_40_20200225_00020.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 2 : SP_2020_RD2092_116_21_20200312_00072.jpg



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

LM Start	0.61	Rating **	M	Issue No.	21 (cont)
LM End	0.61	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2020_RD2092_116_21_20200225_00010.jpg



Looking downstream at small tree 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**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	Corey Fujitani

LM Start	0.65	Rating **	U	Issue No.	43
LM End	0.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.598711 °	37.596569 °
				-121.167488 °	-121.168404 °
DWR ID	DWR_RD2092_01_s_2020_43				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD2092_116_43_20200313_00073.jpg



View along the landside slope looking upstream. (Spring 2020)

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 : SP_2020_RD2092_116_968_20200225_00032.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

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	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 : SP_2020_RD2092_116_39_20200225_00019.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 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_SP_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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	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_SP_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_SP_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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	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 2 : SP_2020_RD2092_116_8_20200313_00074.jpg



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

LM Start	1.56	Rating **	M	Issue No.	8 (cont)
LM End	1.84	Issue Type +	En	Location *	WS

Photo 2 of 2 : SP_2020_RD2092_116_8_20200225_00001.jpg



View of an agricultural ditch at the waterward toe of the slope.

LM Start	1.56	Rating **	M	Issue No.	55
LM End	2.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.587541 °	37.577907 °	
			-121.162463 °	-121.157052 °	
DWR ID	DWR_RD2092_01_s_2020_55				
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**

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Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	Corey Fujitani

LM Start	1.59	Rating **	A/W	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 2 : SP_2020_RD2092_116_47_20200225_00025.jpg



View of corn plant in landside easement along the levee toe. (Fall 2019)

LM Start	1.59	Rating **	A/W	Issue No.	47 (cont)
LM End	2.15	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2020_RD2092_116_47_20200225_00026.jpg



View of corn planted along the landside levee toe. (Fall 2019)

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 : SP_2020_RD2092_116_48_20200225_00027.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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	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 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					

Photo 1 of 3 : UCIP_SP_2020_53817_79086.jpg



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

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

Photo 2 of 3 : UCIP_SP_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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	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_SP_2020_53817_79085.jpg



LS view: overview of LS.

LM Start	1.92	Rating **	M	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

LM Start	1.94	Rating **	U	Issue No.	56
LM End	2.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.584388 °	37.584182 °
				-121.160606 °	-121.158264 °
DWR ID	DWR_RD2092_01_s_2020_56				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD2092_116_56_20200313_00076.jpg



View of the waterside slope 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	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_SP_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
 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	Corey Fujitani

LM Start	2.07	Rating **	M	Issue No.	57
LM End	2.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.584182 °	37.574845 °	
			-121.158265 °	-121.156143 °	
DWR ID	DWR_RD2092_01_s_2020_57				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.18	Rating **	M	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	2.29	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 2 : SP_2020_RD2092_116_59_20200313_00078.jpg



View of palm tree growing at the landside toe. (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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	Corey Fujitani

LM Start	2.29	Rating **	M	Issue No.	59 (cont)
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				

Photo 2 of 2 : SP_2020_RD2092_116_59_20200313_00079.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				

Photo 1 of 3 : UCIP_SP_2020_53805_79106.jpg



WS view: overview of WS.

Comment Code

Inspector Comment

DS_ID:24680
 FS_ID:53805
 EP_NO: N/A
 Repair Type: Non-Urgent
 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

* 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**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	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_SP_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 : SP_2020_RD2092_116_58_20200313_00080.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 : SP_2020_RD2092_116_20_20200313_00081.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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	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
 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

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

Photo 1 of 3 : UCIP_SP_2020_54052_79119.jpg



WS view: overview of WS.

Photo 2 of 3 : UCIP_SP_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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	Corey Fujitani

LM Start	2.40	Rating **	M	Issue No.	983 (cont)
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				

Photo 3 of 3 : UCIP_SP_2020_54052_79117.jpg



LS view: overview of LS.

LM Start	2.41	Rating **	M	Issue No.	984
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 1 of 3 : UCIP_SP_2020_53808_79126.jpg



WS view: overview of WS.

Comment Code					
Inspector Comment					
DS_ID:20568 FS_ID:53808 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 03/12/2019 No permit was found authorizing crossing. Crossing appears to be abandoned, if crossing is abandoned, owner will need to coordinate with CVFPB to comply with Title 23. (O. Magana - DWR UCIP) 09/24/2013 Pipe abandoned and should be verified as having been removed from the levee. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 4-inch drainage pipe of an unknown material through the levee, 1 foot below the crown. Pump on sump at the landside (LS) toe. Roadway extending to the LS pump. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 3/12/2019 12:10:00 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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	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_SP_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_SP_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 : SP_2020_RD2092_116_50_20200313_00082.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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	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 : SP_2020_RD2092_116_51_20200225_00031.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 : SP_2020_RD2092_116_19_20200225_00007.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 : SP_2020_RD2092_116_19_20200225_00008.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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	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 : SP_2020_RD2092_116_44_20200313_00083.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 : SP_2020_RD2092_116_44_20200225_00022.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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	Corey Fujitani

LM Start	2.63	Rating **	M	Issue No.	53
LM End	2.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.577200 °	37.577200 °	
			-121.157152 °	-121.157152 °	
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	2.63	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 4 : SP_2020_RD2092_116_17_20200225_00003.jpg



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

LM Start	2.63	Rating **	U	Issue No.	17 (cont)
LM End	2.76	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : SP_2020_RD2092_116_17_20200225_00004.jpg



Looking at typical large rodent holes 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**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	Corey Fujitani

LM Start	2.63	Rating **	U	Issue No.	17 (cont)
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				

Photo 3 of 4 : SP_2020_RD2092_116_17_20200225_00005.jpg



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

LM Start	2.63	Rating **	U	Issue No.	17 (cont)
LM End	2.76	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : SP_2020_RD2092_116_17_20200225_00006.jpg



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

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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	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 2 : SP_2020_RD2092_116_45_20200225_00023.jpg



View of rutting along levee crown. (Spring 2019)

LM Start	2.74	Rating **	M	Issue No.	45 (cont)
LM End	2.74	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : SP_2020_RD2092_116_45_20200225_00024.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 : SP_2020_RD2092_116_27_20200225_00011.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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	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 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					

Photo 1 of 3 : UCIP_SP_2020_53813_79128.jpg



LS view: overview of LS.

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

Photo 2 of 3 : UCIP_SP_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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	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_SP_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 : SP_2020_RD2092_116_972_20200225_00033.jpg



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

LM Start	2.82	Rating **	M	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					

Photo 1 of 1 : SP_2020_RD2092_116_35_20200225_00015.jpg



Squirrels observed along waterside slope. (Spring 2019)

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

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	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					

Photo 1 of 1 : SP_2020_RD2092_116_60_20200313_00084.jpg



View of rutting on the levee crown looking downstream. (Spring 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 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_SP_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
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	03/12/2020 03/12/2020	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 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

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 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					

Photo 1 of 3 : UCIP_SP_2020_53786_79145.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
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