Flood Control Project Maintenance
Levee Inspections

LMA District Cover Sheet

Spring 2019 Levee Inspection Results

Reclamation District No. 2091 Chase

	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 indiction of risk.

Comments

Flood Control Project Maintenance
Levee Inspections

Unit Cover Sheet

Spring 2019 Levee Inspection Results

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles
Unit No. 01 San Joaquin River	Right	7.46

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/3/2019 - 4/3/2019			
DWR Inspector	Corey Fujitani			
Accompanied By	Monte Hamilton City of Modesto			
	Mike Alves City of Modesto			

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 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**0.00**	Rating **	A	Issue No.	**2**
LM End	**0.00**	Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			° °	° °
DWR ID	DWR_RD2091_01_s _ 2013_2				

Comment Code

Inspector Comment

The LMA has copy of O & M manual on file at district office.

No Photos

LM Start	**0.00**	Rating **	A	Issue No.	**4**
LM End	**0.00**	Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			° °	° °
DWR ID	DWR_RD2091_01_s _ 2013_4				

Comment Code

Inspector Comment

The LMA maintains adequate flood fight supplies and equipment.

No Photos

LM Start	**0.00**	Rating **	A	Issue No.	**5**
LM End	**0.00**	Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			° °	° °
DWR ID	DWR_RD2091_01_s _ 2013_5				

Comment Code

Inspector Comment

The LMA maintains a good working knowledge of flood response activities and has been involved in flood fight training.

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**0.08**	Rating **	M	Issue No.	**45**
LM End	**0.08**	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.541970 °	37.541970 °
				-121.093980 °	-121.093980 °
DWR ID	23155				

Comment Code

Inspector Comment

FS_ID:43207
DS_ID:23155
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 10/15/2013 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, 7.2 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 0.07), Drawing No. 07-04-1555, Sheets 1555/17 and 1555/55, (Station 906+85)].
FS Date: 1/29/2015 2:26:31 PM

Photo 1 of 3 : UCIP_SP_2019_43207_38148.jpg

Slide gate in 36-inch CMP riser on WS toe.

LM Start	**0.08**	Rating **	M	Issue No.	**45 (cont)**
LM End	**0.08**	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2019_43207_38147.jpg

Slide gate in 36-inch CMP riser on WS toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**0.08**	Rating **	M	Issue No.	**45 (cont)**
LM End	**0.08**	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.541970 °	37.541970 °
				-121.093980 °	-121.093980 °
DWR ID	23155				

Comment Code

Inspector Comment

FS_ID:43207
DS_ID:23155
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 10/15/2013 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, 7.2 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 0.07), Drawing No. 07-04-1555, Sheets 1555/17 and 1555/55, (Station 906+85)].
FS Date: 1/29/2015 2:26:31 PM

Photo 3 of 3 : UCIP_SP_2019_43207_38146.jpg

CMP stormdrain at outlet off WS toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**0.10**	Rating **	M	Issue No.	**46**
LM End	**0.10**	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.542030 °	37.542030 °
				-121.094370 °	-121.094370 °
DWR ID	23156				

Comment Code

Inspector Comment

FS_ID:53094
DS_ID:23156
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 10/18/2018 Crossing remains abandoned. Unable to locate WS outlet due to dense vegetation. Crossing has been downgraded from Urgent to Non-Urgent. No integrity issues were observed along pipe alignment. LMA is still seeking proper abandonment or removal of this crossing. Crossing is part of the Deferred Maintenance Project (DMP) phase 1 inspection. No video inspection has been completed yet. (O. Magana - DWR UCIP) 11/18/2016 Same as last inspection this is a non-functional crossing with no visible inlet on LS or outlet on WS. The only appurtenance found at this location is a CMP riser with a missing cover located on the WS. This crossing remains Urgent since the pipe on the WS may still be openned. According to Mike Alves, this crossing is abandoned and the City of Modesto is working with CVFPB to authorize proper abandonment/removal. The City is working at finding funds to pay for proper abandonment/removal of all the drainage structures through this levee. (O. Magana - DWR UCIP)10/15/2013 Pipe open on WS and slide gate has been removed. Appears abandoned and should be done so properly. (W. Wylie - City of Modesto)
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 9 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser located on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 0.10), Drawing No. 07-04-1555, Sheets 1555/17 and 1555/55, (Station 907+55)].
FS Date: 10/18/2018

Photo 1 of 3 : UCIP_SP_2019_53094_38150.jpg

36-inch CMP riser on WS slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**0.10**	Rating **	M	Issue No.	**46 (cont)**
LM End	**0.10**	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.542030 °	37.542030 °
				-121.094370 °	-121.094370 °
DWR ID	23156				

Comment Code

Inspector Comment

FS_ID:53094
DS_ID:23156
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 10/18/2018 Crossing remains abandoned. Unable to locate WS outlet due to dense vegetation. Crossing has been downgraded from Urgent to Non-Urgent. No integrity issues were observed along pipe alignment. LMA is still seeking proper abandonment or removal of this crossing. Crossing is part of the Deferred Maintenance Project (DMP) phase 1 inspection. No video inspection has been completed yet. (O. Magana - DWR UCIP) 11/18/2016 Same as last inspection this is a non-functional crossing with no visible inlet on LS or outlet on WS. The only appurtenance found at this location is a CMP riser with a missing cover located on the WS. This crossing remains Urgent since the pipe on the WS may still be openned. According to Mike Alves, this crossing is abandoned and the City of Modesto is working with CVFPB to authorize proper abandonment/removal. The City is working at finding funds to pay for proper abandonment/removal of all the drainage structures through this levee. (O. Magana - DWR UCIP)10/15/2013 Pipe open on WS and slide gate has been removed. Appears abandoned and should be done so properly. (W. Wylie - City of Modesto)
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 9 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser located on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 0.10), Drawing No. 07-04-1555, Sheets 1555/17 and 1555/55, (Station 907+55)].
FS Date: 10/18/2018

Photo 2 of 3 : UCIP_SP_2019_53094_38149.jpg

Slide gate missing from open end of pipe at WS slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**0.10**	Rating **	M	Issue No.	**46 (cont)**
LM End	**0.10**	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.542030 °	37.542030 °
				-121.094370 °	-121.094370 °
DWR ID	23156				

Comment Code

Inspector Comment

FS_ID:53094
DS_ID:23156
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 10/18/2018 Crossing remains abandoned. Unable to locate WS outlet due to dense vegetation. Crossing has been downgraded from Urgent to Non-Urgent. No integrity issues were observed along pipe alignment. LMA is still seeking proper abandonment or removal of this crossing. Crossing is part of the Deferred Maintenance Project (DMP) phase 1 inspection. No video inspection has been completed yet. (O. Magana - DWR UCIP)
11/18/2016 Same as last inspection this is a non-functional crossing with no visible inlet on LS or outlet on WS. The only appurtenance found at this location is a CMP riser with a missing cover located on the WS. This crossing remains Urgent since the pipe on the WS may still be openned. According to Mike Alves, this crossing is abandoned and the City of Modesto is working with CVFPB to authorize proper abandonment/removal. The City is working at finding funds to pay for proper abandonment/removal of all the drainage structures through this levee. (O. Magana - DWR UCIP)10/15/2013 Pipe open on WS and slide gate has been removed. Appears abandoned and should be done so properly. (W. Wylie - City of Modesto)
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FS Date: 10/18/2018

Photo 3 of 3 : UCIP_SP_2019_53094_76669.jpg

Overview of levee crown at pipe crossing.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**0.23**	Rating **	A/W	Issue No.	**15**
LM End	**0.23**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.541550 °	37.541550 °
				-121.096742 °	-121.096742 °
DWR ID	DWR_RD2091_01_s _ 2016_15				

Comment Code

E1 : Note and monitor erosion site.

Inspector Comment

Caving on landward shoulder noted in 2017 possible collapsed pipe. Monitor for potential reoccurance.

Photo 1 of 2 : SP_2019_RD2091_318_15_20190307_00014.jpg

Looking southwest at the dip on the landside shoulder.

LM Start	**0.23**	Rating **	A/W	Issue No.	**15 (cont)**
LM End	**0.23**	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2019_RD2091_318_15_20190307_00015.jpg

Looking northeast at the dip in the landside shoulder.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**0.24**	Rating **	M	Issue No.	**47**
LM End	**0.24**	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.541564 °	37.541564 °
				-121.096792 °	-121.096792 °
DWR ID	23158				

Comment Code

Inspector Comment

FS_ID:53431
DS_ID:23158
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 10/18/2018 Crossing remains abandoned. Unable to locate WS outlet due to dense vegetation. Crossing has been downgraded from Urgent to Non-Urgent, no integrity issues were observed along the pipe alignment. LMA is still seeking proper abandonment or removal of this crossing. This crossing is part of the Deferred Maintenance Project (DMP) phase 1 inspection. No video inspection has been completed yet. (O. Magana - DWR UCIP)
11/18/2016 Same as last inspection. This crossing remains Urgent due to the flap gate still missing from the WS toe. According to Mike Alves, this crossing is an abandoned line and the City of Modesto is working with CVFPB to authorize proper abandonment/removal. The City is working at finding funds to pay for proper abandonment/removal of all the drainage structures through this levee. (O. Magana - DWR UCIP)10/15/2013 Flap gate has fallen off at WS toe. 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, 10 feet below the crown. Flap gate on the waterside (WS) end. Drain opening is located approximately 15 feet off the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 0.23), Drawing No. 07-04-1555, Sheets 1555/17 and 1555/55, (Station 915+00)].
FS Date: 10/18/2018

Photo 1 of 3 : UCIP_SP_2019_53431_38156.jpg

Pipe visible in canal on WS toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**0.24**	Rating **	M	Issue No.	**47 (cont)**
LM End	**0.24**	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.541564 °	37.541564 °
				-121.096792 °	-121.096792 °
DWR ID	23158				

Comment Code

Inspector Comment

FS_ID:53431
DS_ID:23158
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 10/18/2018 Crossing remains abandoned. Unable to locate WS outlet due to dense vegetation. Crossing has been downgraded from Urgent to Non-Urgent, no integrity issues were observed along the pipe alignment. LMA is still seeking proper abandonment or removal of this crossing. This crossing is part of the Deferred Maintenance Project (DMP) phase 1 inspection. No video inspection has been completed yet. (O. Magana - DWR UCIP)
11/18/2016 Same as last inspection. This crossing remains Urgent due to the flap gate still missing from the WS toe. According to Mike Alves, this crossing is an abandoned line and the City of Modesto is working with CVFPB to authorize proper abandonment/removal. The City is working at finding funds to pay for proper abandonment/removal of all the drainage structures through this levee. (O. Magana - DWR UCIP)10/15/2013 Flap gate has fallen off at WS toe. 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, 10 feet below the crown. Flap gate on the waterside (WS) end. Drain opening is located approximately 15 feet off the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 0.23), Drawing No. 07-04-1555, Sheets 1555/17 and 1555/55, (Station 915+00)].
FS Date: 10/18/2018

Photo 2 of 3 : UCIP_SP_2019_53431_38155.jpg

Flapgate has fallen off at WS toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**0.24**	Rating **	M	Issue No.	**47 (cont)**
LM End	**0.24**	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.541564 °	37.541564 °
				-121.096792 °	-121.096792 °
DWR ID	23158				

Comment Code

Inspector Comment

FS_ID:53431
DS_ID:23158
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 10/18/2018 Crossing remains abandoned. Unable to locate WS outlet due to dense vegetation. Crossing has been downgraded from Urgent to Non-Urgent, no integrity issues were observed along the pipe alignment. LMA is still seeking proper abandonment or removal of this crossing. This crossing is part of the Deferred Maintenance Project (DMP) phase 1 inspection. No video inspection has been completed yet. (O. Magana - DWR UCIP)
11/18/2016 Same as last inspection. This crossing remains Urgent due to the flap gate still missing from the WS toe. According to Mike Alves, this crossing is an abandoned line and the City of Modesto is working with CVFPB to authorize proper abandonment/removal. The City is working at finding funds to pay for proper abandonment/removal of all the drainage structures through this levee. (O. Magana - DWR UCIP)10/15/2013 Flap gate has fallen off at WS toe. 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, 10 feet below the crown. Flap gate on the waterside (WS) end. Drain opening is located approximately 15 feet off the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 0.23), Drawing No. 07-04-1555, Sheets 1555/17 and 1555/55, (Station 915+00)].
FS Date: 10/18/2018

Photo 3 of 3 : UCIP_SP_2019_53431_38154.jpg

Concrete headwall under pipe at WS toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**0.25**	Rating **	A/W	Issue No.	**16**
LM End	**0.28**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.541492 °	37.541408 °
				-121.097052 °	-121.097453 °
DWR ID	DWR_RD2091_01_s _ 2016_16				

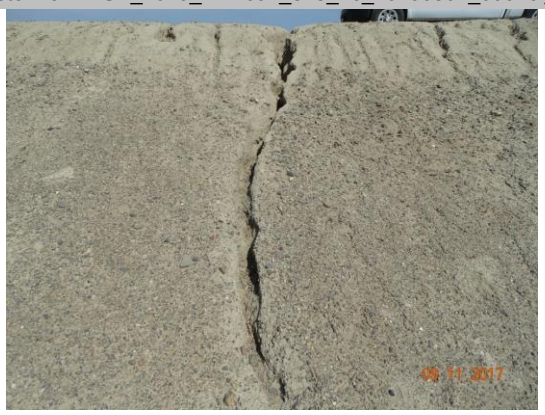
Comment Code

E1 : Note and monitor erosion site.

Inspector Comment

Several sites of rill erosion and possible rodent holes along landward shoulder and slope.

Photo 1 of 2 : SP_2019_RD2091_318_16_20190307_00016.jpg



Looking northwest at rill erosion on landside slope.

LM Start	**0.25**	Rating **	A/W	Issue No.	**16 (cont)**
LM End	**0.28**	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2019_RD2091_318_16_20190307_00017.jpg

Looking east at rill erosion above rodent hole on landward slope. (Spring 2017)

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

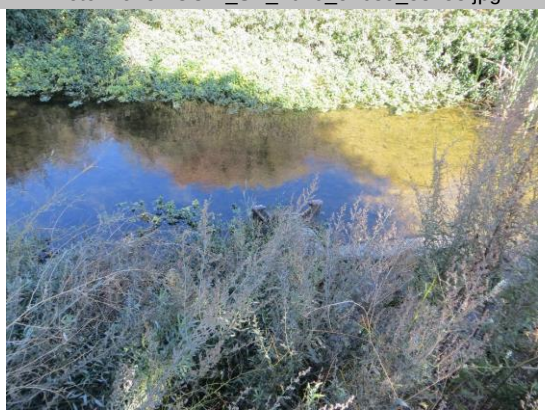
LM Start	**0.63**	Rating **	M	Issue No.	**48**
LM End	**0.63**	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.541220 °	37.541220 °
				-121.103880 °	-121.103880 °
DWR ID	23161				

Comment Code

Inspector Comment

FS_ID:51639
DS_ID:23161
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 11/18/2016 Crossing has been downgraded from Urgent to Non-Urgent since the flap gate appears to fully close. According to Mike Alvez, this crossing is abandoned and the City of Modesto is working with CVFPB to authorize proper abandonment/removal. The City is working at finding funds to pay for proper abandonment/removal of all the drainage structures through this levee. (O. Magana - DWR UCIP)10/15/2013 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, 12 feet below the crown. Flap gate and concrete headwall on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 0.64)].
FS Date: 11/18/2016

Photo 1 of 3 : UCIP_SP_2019_51639_38158.jpg



24-inch CMP on concrete headwall with flapgate on WS toe.

LM Start	**0.63**	Rating **	M	Issue No.	**48 (cont)**
LM End	**0.63**	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2019_51639_38157.jpg

24-inch CMP on concrete headwall with flapgate on WS toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**0.63**	Rating **	M	Issue No.	**48 (cont)**
LM End	**0.63**	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.541220 °	37.541220 °
				-121.103880 °	-121.103880 °
DWR ID	23161				

Comment Code

Inspector Comment

FS_ID:51639
DS_ID:23161
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 11/18/2016 Crossing has been downgraded from Urgent to Non-Urgent since the flap gate appears to fully close. According to Mike Alvez, this crossing is abandoned and the City of Modesto is working with CVFPB to authorize proper abandonment/removal. The City is working at finding funds to pay for proper abandonment/removal of all the drainage structures through this levee. (O. Magana - DWR UCIP)10/15/2013 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, 12 feet below the crown. Flap gate and concrete headwall on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 0.64)].
FS Date: 11/18/2016

Photo 3 of 3 : UCIP_SP_2019_51639_76677.jpg

View of LS.

LM Start	**0.94**	Rating **	A/W	Issue No.	**14**
LM End	**6.84**	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.537775 °	37.482295 °
				-121.106730 °	-121.051592 °
DWR ID	DWR_RD2091_01_f _ 2017_14				

Comment Code

Inspector Comment

Levee Evaluation Comments
Description:Wave wash damage/erosion of 2 miles ... see attached description and photos
Site ID No:471
Site Designation:LMA-298
Repair Type: Erosion
Rating:Area of Concern
Field Date:7/20/2017
Notes: Low priority because wavewash scarps are less than 1 ft and do not cut into prisim significantly and can be repaired by district through O&M. There is also a large berm here. Wavewash is present on both LS and WS.

Photo 1 of 3 : LEVAL_SP_2019_471_2337.jpg

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**0.94**	Rating **	A/W	Issue No.	**14 (cont)**
LM End	**6.84**	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.537775°	37.482295°
				-121.106730°	-121.051592°
DWR ID	DWR_RD2091_01_f _ 2017_14				

Comment Code

Inspector Comment

Levee Evaluation Comments
Description:Wave wash damage/erosion of 2 miles ... see attached description and photos
Site ID No:471
Site Designation:LMA-298
Repair Type: Erosion
Rating:Area of Concern
Field Date:7/20/2017
Notes: Low priority because wavewash scarps are less than 1 ft and do not cut into prisim significantly and can be repaired by district through O&M. There is also a large berm here. Wavewash is present on both LS and WS.

Photo 2 of 3 : LEVAL_SP_2019_471_2338.jpg

LM Start	**0.94**	Rating **	A/W	Issue No.	**14 (cont)**
LM End	**6.84**	Issue Type +	Ma	Location *	

Photo 3 of 3 : LEVAL_SP_2019_471_2340.jpg

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**1.41**	Rating **	A/W	Issue No.	**11**
LM End	**1.43**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.531243 °	37.530896 °
				-121.106716 °	-121.106737 °
DWR ID	DWR_RD2091_01_f _ 2017_11				

Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Minor erosion on waterside toe.

Photo 1 of 1 : SP_2019_RD2091_318_11_20190307_00007.jpg

Looking south at erosion on waterside slope. (Fall 2017)

LM Start	**1.41**	Rating **	A/W	Issue No.	**24**
LM End	**1.44**	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.531170 °	37.530760 °
				-121.106750 °	-121.106710 °
DWR ID	DWR_RD2091_01_f _ 2017_24				

Comment Code

Inspector Comment

Levee Evaluation Comments
Description:
Site ID No:132
Site Designation:DWR_RD2091_01_R_2012_01
Repair Type: Erosion
Rating:Area of Concern
Field Date:6/7/2017
Notes: Wavewash erosion up to 12" deep at high water mark.

Photo 1 of 3 : LEVAL_SP_2019_132_1181.jpg

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**1.41**	Rating **	A/W	Issue No.	**24 (cont)**
LM End	**1.44**	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.531170 °	37.530760 °
				-121.106750 °	-121.106710 °
DWR ID	DWR_RD2091_01_f _ 2017_24				

Comment Code

Inspector Comment

Levee Evaluation Comments
Description:
Site ID No:132
Site Designation:DWR_RD2091_01_R_2012_01
Repair Type: Erosion
Rating:Area of Concern
Field Date:6/7/2017
Notes: Wavewash erosion up to 12" deep at high water mark.

Photo 2 of 3 : LEVAL_SP_2019_132_1182.jpg

LM Start	**1.41**	Rating **	A/W	Issue No.	**24 (cont)**
LM End	**1.44**	Issue Type +	Ma	Location *	

Photo 3 of 3 : LEVAL_SP_2019_132_1187.jpg

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**2.05**	Rating **	M	Issue No.	**18**
LM End	**2.06**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.526083 °	37.525897 °
				-121.099328 °	-121.099116 °
DWR ID	DWR_RD2091_01_f _ 2017_18				

Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Erosion at the landside toe.

Photo 1 of 1 : SP_2019_RD2091_318_18_20190307_00018.jpg

Looking southeast at erosion on the toe of the landside slope.

LM Start	**2.15**	Rating **	A/W	Issue No.	**25**
LM End	**2.15**	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.525220 °	37.525220 °
				-121.097700 °	-121.097700 °
DWR ID	DWR_RD2091_01_f _ 2017_25				

Comment Code

Inspector Comment

Levee Evaluation Comments
Description:
Site ID No:124
Site Designation:199-1
Repair Type: Seepage
Rating:
Field Date:
Notes:

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**2.41**	Rating **	A/W	Issue No.	**26**
LM End	**2.49**	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.522090 °	37.521140 °
				-121.095580 °	-121.095080 °
DWR ID	DWR_RD2091_01_s _ 2018_26				

Comment Code

Inspector Comment

Levee Evaluation Comments
Description:
Site ID No:125
Site Designation:DWR_RD2091_01_R_2012_05
Repair Type: Seepage
Rating:
Field Date:
Notes:

No Photos

LM Start	**2.61**	Rating **	C	Issue No.	**20**
LM End	**2.64**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.520108 °	37.520027 °
				-121.093147 °	-121.092767 °
DWR ID	DWR_RD2091_01_s _ 2017_20				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Burrows are no longer present. (2019)

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**2.84**	Rating **	A/W	Issue No.	**38**
LM End	**3.46**	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.519210 °	37.511720 °
				-121.089010 °	-121.087380 °
DWR ID	DWR_RD2091_01_s _ 2018_38				

Comment Code

Inspector Comment

Levee Evaluation Comments
Description:
Site ID No:128
Site Designation:199-105
Repair Type: Seepage
Rating:
Field Date:
Notes:

No Photos

LM Start	**3.91**	Rating **	C	Issue No.	**30**
LM End	**3.95**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.506753 °	37.506251 °
				-121.082748 °	-121.082606 °
DWR ID	DWR_RD2091_01_f _ 2017_30				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Burrows are no longer present . (2018)

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**4.25**	Rating **	C	Issue No.	**22**
LM End	**4.25**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.501907 °	37.501907 °
				-121.082123 °	-121.082123 °
DWR ID	DWR_RD2091_01_s _ 2017_22				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Burrows are no longer present. (2018)

No Photos

LM Start	**4.44**	Rating **	A/W	Issue No.	**39**
LM End	**4.54**	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.499440 °	37.498040 °
				-121.080720 °	-121.080720 °
DWR ID	DWR_RD2091_01_s _ 2018_39				

Comment Code

Inspector Comment

Levee Evaluation Comments
Description:
Site ID No:131
Site Designation:DWR_RD2091_01_R_2012_02
Repair Type: Seepage
Rating:
Field Date:
Notes:

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**4.57**	Rating **	A/W	Issue No.	**40**
LM End	**5.00**	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.497780 °	37.492630 °
				-121.080340 °	-121.076070 °
DWR ID	DWR_RD2091_01_s _ 2018_40				

Comment Code

Inspector Comment

Levee Evaluation Comments
Description:
Site ID No:130
Site Designation:199-100
Repair Type: Seepage
Rating:
Field Date:
Notes:

No Photos

LM Start	**4.59**	Rating **	M	Issue No.	**49**
LM End	**4.59**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.497390 °	37.497390 °
				-121.080370 °	-121.080370 °
DWR ID	23165				

Comment Code

Inspector Comment

FS_ID:43209
DS_ID:23165
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 10/15/2013 Appears abandoned and if so should be done so properly. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation pipe through the levee, 15 feet below the crown. Abandoned concrete inlet box on the waterside (WS) slope of the levee. 6-foot by 5-foot concrete distribution box at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.67), 30-inch pipe listed].
FS Date: 1/29/2015 2:27:42 PM

Photo 1 of 3 : UCIP_SP_2019_43209_38211.jpg

Distribution box on LS toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**4.59**	Rating **	M	Issue No.	**49 (cont)**
LM End	**4.59**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.497390 °	37.497390 °
				-121.080370 °	-121.080370 °
DWR ID	23165				

Comment Code

Inspector Comment

FS_ID:43209
DS_ID:23165
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 10/15/2013 Appears abandoned and if so should be done so properly. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation pipe through the levee, 15 feet below the crown. Abandoned concrete inlet box on the waterside (WS) slope of the levee. 6-foot by 5-foot concrete distribution box at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.67), 30-inch pipe listed].
FS Date: 1/29/2015 2:27:42 PM

Photo 2 of 3 : UCIP_SP_2019_43209_38210.jpg

Open CMP pipe through levee at distribution box on LS toe.

LM Start	**4.59**	Rating **	M	Issue No.	**49 (cont)**
LM End	**4.59**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_43209_38209.jpg

Abandoned concrete box on WS slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**4.83**	Rating **	M	Issue No.	**17**
LM End	**4.88**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.494417 °	37.493732 °
				-121.078345 °	-121.077864 °
DWR ID	DWR_RD2091_01_s _ 2019_17				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

LM Start	**4.83**	Rating **	A/W	Issue No.	**34**
LM End	**4.83**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.494396 °	37.494396 °
				-121.078306 °	-121.078306 °
DWR ID	DWR_RD2091_01_f _ 2017_34				

Comment Code

E1 : Note and monitor erosion site.

Inspector Comment

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**4.83**	Rating **	A/W	Issue No.	**41**
LM End	**4.83**	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.494300 °	37.494300 °
				-121.078300 °	-121.078300 °
DWR ID	DWR_RD2091_01_f _ 2017_41				

Comment Code

Inspector Comment

Levee Evaluation Comments
Description:
Site ID No:117
Site Designation:LMA-37
Repair Type: Erosion
Rating:Area of Concern
Field Date:6/7/2017
Notes: Very minor erosion at toe of levee. Depth of erosion is 3" max.

Photo 1 of 3 : LEVAL_SP_2019_117_325.jpg

LM Start	**4.83**	Rating **	A/W	Issue No.	**41 (cont)**
LM End	**4.83**	Issue Type +	Ma	Location *	

Photo 2 of 3 : LEVAL_SP_2019_117_854.jpg

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**4.83**	Rating **	A/W	Issue No.	**41 (cont)**
LM End	**4.83**	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.494300 °	37.494300 °
				-121.078300 °	-121.078300 °
DWR ID	DWR_RD2091_01_f _ 2017_41				

Comment Code

Inspector Comment

Levee Evaluation Comments
Description:
Site ID No:117
Site Designation:LMA-37
Repair Type: Erosion
Rating:Area of Concern
Field Date:6/7/2017
Notes: Very minor erosion at toe of levee. Depth of erosion is 3" max.

Photo 3 of 3 : LEVAL_SP_2019_117_855.jpg

LM Start	**4.84**	Rating **	A/W	Issue No.	**10**
LM End	**4.85**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.494297 °	37.494115 °
				-121.078233 °	-121.078100 °
DWR ID	DWR_RD2091_01_f _ 2018_10				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

No visible burrows and rodent control program visible. (2018)

Photo 1 of 3 : SP_2019_RD2091_318_10_20190307_00004.jpg

View of landside slope. (2018)

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**4.84**	Rating **	A/W	Issue No.	**10 (cont)**
LM End	**4.85**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.494297 °	37.494115 °
				-121.078233 °	-121.078100 °
DWR ID	DWR_RD2091_01_f _ 2018_10				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

No visible burrows and rodent control program visible. (2018)

Photo 2 of 3 : SP_2019_RD2091_318_10_20190307_00005.jpg

View of rodent control program in place. (2018)

LM Start	**4.84**	Rating **	A/W	Issue No.	**10 (cont)**
LM End	**4.85**	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP_2019_RD2091_318_10_20190307_00006.jpg

Looking southeast at landside slope. (2017)

LM Start	**5.20**	Rating **	A/W	Issue No.	**13**
LM End	**5.20**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.490756 °	37.490756 °
				-121.073410 °	-121.073410 °
DWR ID	DWR_RD2091_01_f _ 2016_13				

Comment Code

S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Vehicle traffic damaging slope on landward slope.

Photo 1 of 2 : SP_2019_RD2091_318_13_20190307_00009.jpg

Looking southeast at the landside slope.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**5.20**	Rating **	A/W	Issue No.	**13 (cont)**
LM End	**5.20**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.490756 °	37.490756 °
				-121.073410 °	-121.073410 °
DWR ID	DWR_RD2091_01_f _ 2016_13				

Comment Code

S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Vehicle traffic damaging slope on landward slope.

Photo 2 of 2 : SP_2019_RD2091_318_13_20190307_00010.jpg

Looking at damage on landside slope.

LM Start	**5.60**	Rating **	A/W	Issue No.	**42**
LM End	**5.65**	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.486820 °	37.486220 °
				-121.068100 °	-121.067530 °
DWR ID	DWR_RD2091_01_s _ 2018_42				

Comment Code

Inspector Comment

Levee Evaluation Comments
Description:
Site ID No:129
Site Designation:199-101
Repair Type: Seepage
Rating:
Field Date:
Notes:

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**5.65**	Rating **	M	Issue No.	**19**
LM End	**5.70**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.486120 °	37.485650 °
				-121.067681 °	-121.067203 °
DWR ID	DWR_RD2091_01_s _ 2019_19				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

LM Start	**5.74**	Rating **	M	Issue No.	**21**
LM End	**5.74**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.485318 °	37.485318 °
				-121.066454 °	-121.066454 °
DWR ID	DWR_RD2091_01_s _ 2019_21				

Comment Code

S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Vehicle damage to landside slope.

Photo 1 of 1 : SP_2019_RD2091_318_21_20190404_00046.jpg

View of damage to landside slope looking downstream. (Spring 2019)

LM Start	**5.92**	Rating **	C	Issue No.	**12**
LM End	**5.92**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.485998 °	37.485998 °
				-121.063323 °	-121.063323 °
DWR ID	DWR_RD2091_01_f _ 2015_12				

Comment Code

T1 : Trim trees to at least five feet above ground level.

Inspector Comment

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**5.98**	Rating **	M	Issue No.	**28**
LM End	**5.98**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.486350 °	37.486350 °
				-121.062391 °	-121.062391 °
DWR ID	DWR_RD2091_01_s _ 2019_28				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

LM Start	**5.99**	Rating **	A/W	Issue No.	**43**
LM End	**5.99**	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.486490 °	37.486490 °
				-121.062270 °	-121.062270 °
DWR ID	DWR_RD2091_01_f _ 2017_43				

Comment Code

Inspector Comment

Levee Evaluation Comments
Description:
Site ID No:127
Site Designation:199-4
Repair Type: Seepage
Rating:
Field Date:
Notes:

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**6.23**	Rating **	M	Issue No.	**36**
LM End	**6.32**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.485724 °	37.484633 °
				-121.058443 °	-121.057563 °
DWR ID	DWR_RD2091_01_f _ 2017_36				

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Photo 1 of 1 : SP_2019_RD2091_318_36_20190307_00027.jpg

Looking southeast at landside slope.

LM Start	**6.26**	Rating **	M	Issue No.	**29**
LM End	**6.36**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.485362 °	37.484043 °
				-121.058151 °	-121.057394 °
DWR ID	DWR_RD2091_01_s _ 2019_29				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**6.29**	Rating **	A/W	Issue No.	**44**
LM End	**6.75**	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.485040 °	37.481740 °
				-121.057680 °	-121.052910 °
DWR ID	DWR_RD2091_01_s _ 2018_44				

Comment Code

Inspector Comment

Levee Evaluation Comments
Description:
Site ID No:126
Site Designation:199-106
Repair Type: Seepage
Rating:
Field Date:
Notes:

No Photos

LM Start	**6.65**	Rating **	M	Issue No.	**31**
LM End	**6.74**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.481114 °	37.481500 °
				-121.054436 °	-121.052995 °
DWR ID	DWR_RD2091_01_s _ 2019_31				

Comment Code

Inspector Comment

No Photos

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**6.87**	Rating **	C	Issue No.	**37**
LM End	**6.94**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.482021 °	37.481994 °
				-121.051260 °	-121.049991 °
DWR ID	DWR_RD2091_01_f _ 2017_37				

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

No Photos

LM Start	**7.42**	Rating **	U	Issue No.	**8**
LM End	**7.45**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.479308 °	37.478998 °
				-121.044708 °	-121.044660 °
DWR ID	DWR_RD2091_01_s _ 2017_8				

Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Repaired area with concrete containing rebar. Need to remove rebar.

Photo 1 of 3 : SP_2019_RD2091_318_8_20190307_00001.jpg

Looking northeast at concrete rubble with rebar at landward toe next to canal.

LM Start	**7.42**	Rating **	U	Issue No.	**8 (cont)**
LM End	**7.45**	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2019_RD2091_318_8_20190307_00002.jpg

Looking east at concrete rubble with rebar at landward toe next to canal.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**7.42**	Rating **	U	Issue No.	**8 (cont)**
LM End	**7.45**	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.479308 °	37.478998 °
				-121.044708 °	-121.044660 °
DWR ID	DWR_RD2091_01_s _ 2017_8				

Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Repaired area with concrete containing rebar. Need to remove rebar.

Photo 3 of 3 : SP_2019_RD2091_318_8_20190307_00003.jpg

Looking east at repaired site on waterward slope and toe. (Spring 2018)

LM Start	**7.45**	Rating **	A/W	Issue No.	**23**
LM End	**7.45**	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.479000 °	37.479000 °
				-121.044000 °	-121.040000 °
DWR ID	DWR_RD2091_01_f _ 2017_23				

Comment Code

Inspector Comment

Levee Evaluation Comments
Description:Sloughing at Mile 7.59 of the San Joaquin River
Site ID No:473
Site Designation:LMA-300
Repair Type: Erosion
Rating:Area of Concern
Field Date:7/20/2017
Notes: Concrete rubble was installed here during the storms after noticing cracks and sloughing. It has rebar sticking out and needs to be replaced with clean rip rap. Responibility is grey here because TID maintains channel and placed concrete during storm.

Photo 1 of 3 : LEVAL_SP_2019_473_2326.jpg

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**7.45**	Rating **	A/W	Issue No.	**23 (cont)**
LM End	**7.45**	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.479000 °	37.479000 °
				-121.044000 °	-121.040000 °
DWR ID	DWR_RD2091_01_f _ 2017_23				

Comment Code

Inspector Comment

Levee Evaluation Comments
Description:Sloughing at Mile 7.59 of the San Joaquin River
Site ID No:473
Site Designation:LMA-300
Repair Type: Erosion
Rating:Area of Concern
Field Date:7/20/2017
Notes: Concrete rubble was installed here during the storms after noticing cracks and sloughing. It has rebar sticking out and needs to be replaced with clean rip rap. Responibility is grey here because TID maintains channel and placed concrete during storm.

Photo 2 of 3 : LEVAL_SP_2019_473_2330.jpg

LM Start	**7.45**	Rating **	A/W	Issue No.	**23 (cont)**
LM End	**7.45**	Issue Type +	Ma	Location *	

Photo 3 of 3 : LEVAL_SP_2019_473_2331.jpg

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

Flood Control Project Maintenance
Levee Inspections

Unit Cover Sheet

Spring 2019 Levee Inspection Results

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles
Unit No. 02 San Joaquin River		0.05

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/3/2019 - 4/3/2019			
DWR Inspector	Corey Fujitani			
Accompanied By	Monte Hamilton City of Modesto			
	Mike Alves City of Modesto			

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 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.05	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**0.02**	Rating **	U	Issue No.	**2**
LM End	**0.05**	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.482395 °	37.484354 °
				-121.051283 °	-121.049873 °
DWR ID	DWR_RD2091_02_f _ 2018_2				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Tall grassy vegetation on waterside slope needs to be controlled.

Photo 1 of 1 : SP_2019_RD2091_319_2_20190404_00004.jpg

View of waterside slope looking downstream. (Spring 2019)

LM Start	**0.02**	Rating **	M	Issue No.	**3**
LM End	**0.02**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.482450 °	37.482450 °
				-121.051220 °	-121.051220 °
DWR ID	23175				

Comment Code

Inspector Comment

FS_ID:51390
DS_ID:23175
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 11/18/2016 Same as last inspection. This is a non-functional crossing with flap gate in the closed position. This crossing has been downgraded from Urgent to Non-Urgent -- no integrity issues were observed on the levee crown or slopes. According to Mike A. this crossing is abandoned and the City of Modesto is working with CVFPB to authorize proper abandonment/removal. The City is working at finding funds to pay for proper abandonment/removal of all the drainage structures through this levee. (O. Magana - DWR UCIP)10/15/2013 Flap gate rusted in-place and does not function. In closed position. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 16.4 feet below the crown. Flap gate on the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 1992].
FS Date: 11/18/2016

Photo 1 of 3 : UCIP_SP_2019_51390_38216.jpg

24-inch CMP with flapgate visible on WS toe.

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

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.05	04/03/2019 04/03/2019	Corey Fujitani

LM Start	**0.02**	Rating **	M	Issue No.	**3 (cont)**
LM End	**0.02**	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.482450 °	37.482450 °
				-121.051220 °	-121.051220 °
DWR ID	23175				

Comment Code

Inspector Comment

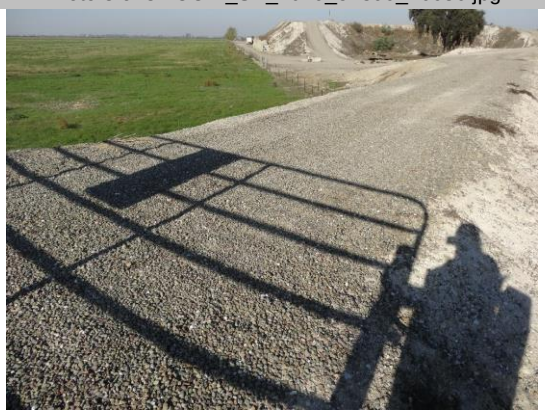
FS_ID:51390
DS_ID:23175
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 11/18/2016 Same as last inspection. This is a non-functional crossing with flap gate in the closed position. This crossing has been downgraded from Urgent to Non-Urgent -- no integrity issues were observed on the levee crown or slopes. According to Mike A. this crossing is abandoned and the City of Modesto is working with CVFPB to authorize proper abandonment/removal. The City is working at finding funds to pay for proper abandonment/removal of all the drainage structures through this levee. (O. Magana - DWR UCIP)10/15/2013 Flap gate rusted in-place and does not function. In closed position. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 16.4 feet below the crown. Flap gate on the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 1992].
FS Date: 11/18/2016

Photo 2 of 3 : UCIP_SP_2019_51390_76689.jpg

Overview photo of levee crown at crossing.

LM Start	**0.02**	Rating **	M	Issue No.	**3 (cont)**
LM End	**0.02**	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_51390_76686.jpg



Overview of levee crown at crossing and at a distance there is a shooting range.

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