

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2014 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including DWR Erosion Survey**

***San Joaquin River Basin***

<b>RD2091</b>	Overall LMA Rating	Total LMA Miles						
<b>Reclamation District No. 2091 Chase</b>	<b>A</b>	<b>7.78</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.04		0.04	0.51%				
Trim / Thin Trees	0.09		0.09	1.16%				
Encroachments					0.07	0.01		
<i>Supplemental</i>								
DWR UCIP Field Study					0.06			
<i>LMA Totals:</i>	0.13	0.00	0.13	1.67%	0.13	0.01	0.00	0.00
<b>Unit No. 01 San Joaquin River RB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD2091</b>	<b>A</b>	<b>7.46</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments						0.01		
<i>Supplemental</i>								
DWR UCIP Field Study					0.05			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.05	0.01	0.00	0.00
<b>Unit No. 02 San Joaquin River NA</b>	Overall Unit Rating	Total Unit Miles						
<b>RD2091</b>	<b>U</b>	<b>0.31</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.04		0.04	12.72%				
Trim / Thin Trees	0.09		0.09	28.62%				
Encroachments					0.07			
<i>Supplemental</i>								
DWR UCIP Field Study					0.01			
<i>Unit Totals:</i>	0.13	0.00	0.13	41.34%	0.08	0.00	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2014 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)			A	

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

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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**

**Fall 2014 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)			A	
Date of Inspection	04/15/2014 - 04/15/2014		11/17/2014 - 11/17/2014	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By	Mike Alves RD 2091		Mike Alves RD 2091	

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 2091 Chase**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	11/17/2014 11/17/2014	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	2		
LM End	0.00	Issue Type +	Ma	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Operations & Maintenance Manuals				°		°
					°		°
DWR ID	DWR_RD2091_01_s_2013_2						
Action/Comments							
Inspector Comments: 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 *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_RD2091_01_s_2013_4				
Action/Comments					
Inspector Comments: 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 *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Flood Preparedness & Training				°		°
					°		°
DWR ID	DWR_RD2091_01_s_2013_5						
Action/Comments							
Inspector Comments: The LMA maintains flood readiness.							

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Reclamation District No. 2091 Chase

Looking north at typical view of levee crown.

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 2091 Chase**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	11/17/2014 11/17/2014	Richard Willoughby

LM Start	0.07	Rating **	M	Issue No.	6
LM End	0.07	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.541970 °	37.541970 °
				-121.093980 °	-121.093980 °
DWR ID	DWR_RD2091_01_f_2014_6				
Action/Comments					
Inspector Comments: FS_ID:22546					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Appears abandoned and if so should be done so properly.					
FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee 7.2 feet below crown. Slide gate in 36-inch corrugated metal pipe riser on the waterward slope. Originally included in the 1961 O&M manual. As built drawings available, Drawing # 07-04-1555: 1555/17 & 1555/55, 906+85.					
FS Date: 10/15/2013 10:53:29 AM					

No Photos

LM Start	0.09	Rating **	M	Issue No.	7
LM End	0.09	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.542030 °	37.542030 °
				-121.094370 °	-121.094370 °
DWR ID	DWR_RD2091_01_f_2014_7				
Action/Comments					
Inspector Comments: FS_ID:22555					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe open on WS and slide gate has been removed.					
Appears abandoned and should be done so properly.					
FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee					
9.0 feet below crown. Slide gate in corrugated metal pipe riser on the					
waterward slope. Originally included in the 1961 O&M manual. As built					
drawings available, Drawing # 07-04-1555: 1555/17 & 1555/55, 907+55.					
FS Date: 10/15/2013					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 2091 Chase**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	11/17/2014 11/17/2014	Richard Willoughby

LM Start	0.23	Rating **	M	Issue No.	9
LM End	0.23	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.541564 °	37.541564 °
				-121.096792 °	-121.096792 °
DWR ID	DWR_RD2091_01_f_2014_9				
Action/Comments					
Inspector Comments: FS_ID:22585					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Flap gate has fallen off at WS toe. Appears abandoned and if so should be done so properly.					
FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee 10.0 feet below crown. Flap gate on the waterward end. Drain opening 15 feet off landward toe. Originally included in the 1961 O&M manual. As built drawings available, Drawing # 07-04-1555: 1555/17 & 1555/55, 915+00.					
FS Date: 10/15/2013					

No Photos

LM Start	0.64	Rating **	M	Issue No.	10
LM End	0.64	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.541220 °	37.541220 °
				-121.103880 °	-121.103880 °
DWR ID	DWR_RD2091_01_f_2014_10				
Action/Comments					
Inspector Comments: FS_ID:22601 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee 12.0 feet below crown. Flap gate on the waterward end. Concrete headwall on WS toe. Originally included in the 1961 O&M manual. FS Date: 10/15/2013					

No Photos

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 2091 Chase**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	11/17/2014 11/17/2014	Richard Willoughby

LM Start	2.23	Rating **	A/W	Issue No.	54
LM End	2.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control				°
					°
DWR ID	DWR_RD2091_01_s_2012_54				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	4.20	Rating **	A/W	Issue No.	1
LM End	4.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.503555 °	37.503555 °
				-121.081932 °	-121.081932 °
DWR ID	DWR_RD2091_01_s_2012_1				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	4.67	Rating **	M	Issue No.	11
LM End	4.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.497390 °	37.497390 °
				-121.080370 °	-121.080370 °
DWR ID	DWR_RD2091_01_f_2014_11				
Action/Comments					
Inspector Comments: FS_ID:22639					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Appears abandoned and if so should be done so properly.					
FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through levee 15.0 feet below crown. Abandoned concrete inlet box on the waterward slope of levee. 6'X5' Concrete distribution box at the landward toe. Originally included in the 1961 O&M manual.					
FS Date: 10/15/2013					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 2091 Chase**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	11/17/2014 11/17/2014	Richard Willoughby

LM Start	7.55	Rating **	U	Issue No.	8
LM End	7.55	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				°
					°
DWR ID	DWR_RD2091_01_f_2013_8				
Action/Comments					
Ditch					
Inspector Comments: Ditch has been in place for several years. Ditch is 10' to 15' from the landward toe and is 15" to 20' deep.					

Photo 1 of 2 : FA\_2014\_RD2091\_318\_8\_20141103\_00009.jpg



Looking east at drainage ditch at landward toe.

LM Start	<b>7.55</b>	Rating **	U	Issue No.	<b>8 (cont)</b>
LM End	<b>7.55</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA\_2014\_RD2091\_318\_8\_20141103\_00010.jpg



Looking southeast at drainage ditch at landward toe.

LM Start	7.55	Rating **	C	Issue No.	3
LM End	7.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.479203 °	37.479203 °
				-121.044695 °	-121.044695 °
DWR ID	DWR_RD2091_01_s_2012_3				
Action/Comments					
Repair slope instability. Inspector Comments: Slide appears to be 100' + feet long on landside slope. Cracks are approx. 4-9" wide and 12-18" deep. Slide extends from the middle of the landside slope to landside toe. District indicated that the landowner repaired erosion/slip with no supervisor from LMA or State. No compaction results were provided. Site does appear to be					

No Photos

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

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 2091 Chase**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	11/17/2014 11/17/2014	Richard Willoughby

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

**Unit Cover Sheet**

**Fall 2014 Levee Inspection Results**

**Reclamation District No. 2091 Chase**

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River				0.31
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	04/15/2014 - 04/15/2014		11/17/2014 - 11/17/2014	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 2091 Chase**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.31	11/17/2014 11/17/2014	Richard Willoughby

LM Start	0.02	Rating **	M	Issue No.	5
LM End	0.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.482450 °	37.482450 °
				-121.051220 °	-121.051220 °
DWR ID	DWR_RD2091_02_f_2014_5				
Action/Comments					
Inspector Comments: FS_ID:22641					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Flap gate rusted in-place and does not function. In closed position.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drain pipe through levee 16.4-feet below the crown. Flap gate on the waterward toe.					
FS Date: 10/15/2013					

No Photos

LM Start	0.03	Rating **	M	Issue No.	1
LM End	0.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.482523 °	37.482523 °
				-121.051103 °	-121.051103 °
DWR ID	DWR_RD2091_02_s_2012_1				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

LM Start	<b>0.03</b>	Rating **	M	Issue No.	<b>1 (cont)</b>
LM End	<b>0.03</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : FA\_2014\_RD2091\_319\_1\_20141120\_00011.jpg



Looking east at untrimmed trees on waterward slope. (Fall 2014)

Photo 2 of 2 : FA\_2014\_RD2091\_319\_1\_20141103\_00001.jpg



Looking east at untrimmed tree on waterward slope. (Spring 2014)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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## Reclamation District No. 2091 Chase

Looking north at untrimmed tree on waterward slope.

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 2091 Chase**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.31	11/17/2014 11/17/2014	Richard Willoughby

LM Start	0.20	Rating **	M	Issue No.	6		
LM End	0.20	Issue Type +	En	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Encroachments				°		°
					°		°
DWR ID	DWR_RD2091_02_f_2013_6						
Action/Comments							
Retaining Wall							
Inspector Comments: Retaining walls have been in place for several years.							

Photo 1 of 2 : FA\_2014\_RD2091\_319\_6\_20141103\_00005.jpg



Looking northeast at retaining walls within the City of Modesto shooting range on landward slope and toe.

LM Start	<b>0.20</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>0.20</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA\_2014\_RD2091\_319\_6\_20141103\_00006.jpg



Looking east at retaining walls on landward toe.

LM Start	0.21	Rating **	M	Issue No.	8
LM End	0.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.484565 °	37.485283 °
				-121.049980 °	-121.050252 °
DWR ID	DWR_RD2091_02_f_2013_8				
Action/Comments					
Equipment					
Inspector Comments: Several items stored at landward toe.					

Photo 1 of 2 : FA\_2014\_RD2091\_319\_8\_20141120\_00014.jpg



Looking north at several items at landward toe.

**\* Location**

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

**\*\* Rating**

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

**+ Issue Type**

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 2091 Chase**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.31	11/17/2014 11/17/2014	Richard Willoughby

LM Start	0.21	Rating **	M	Issue No.	8 (cont)	
LM End	0.25	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.484565 °		37.485283 °
				-121.049980 °		-121.050252 °
DWR ID	DWR_RD2091_02_f_2013_8					
Action/Comments						
Equipment						
Inspector Comments: Several items stored at landward toe.						

Photo 2 of 2 : FA\_2014\_RD2091\_319\_8\_20141103\_00008.jpg



Looking northeast at storage containers and abandoned vehicle at landward toe.

LM Start	0.22	Rating **	M	Issue No.	14
LM End	0.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.484917 °	37.485418 °
				-121.050224 °	-121.049933 °
DWR ID	DWR_RD2091_02_s_2014_14				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.25	Rating **	M	Issue No.	7
LM End	0.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				°
					°
DWR ID	DWR_RD2091_02_f_2013_7				
Action/Comments					
Tank					
Inspector Comments: Water tank has been in place for several years.					

Photo 1 of 1 : FA\_2014\_RD2091\_319\_7\_20141103\_00007.jpg



Looking west at water tank on landward shoulder.

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

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

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 2091 Chase**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.31	11/17/2014 11/17/2014	Richard Willoughby

LM Start	0.29	Rating **	M	Issue No.	4
LM End	0.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.485447 °	37.485447 °
				-121.049750 °	-121.049750 °
DWR ID	DWR_RD2091_02_f_2012_4				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA\_2014\_RD2091\_319\_4\_20141103\_00004.jpg



Looking east at trimmed trees on landside slope and toe.

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