

**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

RD2091 Reclamation District No. 2091 Chase	Overall LMA Rating	Total LMA Miles						
	A	7.78						
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

Unit No. 01 San Joaquin River RB RD2091	Overall Unit Rating	Total Unit Miles						
	A	7.46						
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

Unit No. 02 San Joaquin River NA RD2091	Overall Unit Rating	Total Unit Miles						
	U	0.31						
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.

* **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

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

Levee Inspection Report By Mile - 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.	12
LM End	7.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation			o	o
DWR ID	DWR_RD2091_01_f_2014_12				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Landward slope has no visible maintenance issues.					

Photo 1 of 1 : FA_2014_RD2091_318_12_20141120_00018.jpg



Looking north at typical view of landward slope.

LM Start	0.00	Rating **	A	Issue No.	13
LM End	7.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation			o	o
DWR ID	DWR_RD2091_01_f_2014_13				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Waterward slope has no visible maintenance issues.					

Photo 1 of 1 : FA_2014_RD2091_318_13_20141120_00017.jpg



Looking north at typical view of waterward slope.

LM Start	0.00	Rating **	A	Issue No.	14
LM End	7.59	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation			o	o
DWR ID	DWR_RD2091_01_f_2014_14				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Levee crown has no visible maintenance issues.					

Photo 1 of 1 : FA_2014_RD2091_318_14_20141120_00016.jpg



Looking north at typical view of levee crown.

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

Levee Inspection Report By Mile - 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

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

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

Levee Inspection Report By Mile - 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

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

Levee Inspection Report By Mile - 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	7.55	Rating **	U	Issue No.	8 (cont)
LM End	7.55	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

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

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.					

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)

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

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

Levee Inspection Report By Mile - 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	0.06	Rating **	M	Issue No.	2
LM End	0.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.482815 °	37.483306 °	
			-121.050849 °	-121.050302 °	
DWR ID	DWR_RD2091_02_f_2012_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Control tumble weeds on landward slope.					

Photo 1 of 1 : FA_2014_RD2091_319_2_20141120_00012.jpg



Looking north at tumble weeds on landward slope.

LM Start	0.06	Rating **	M	Issue No.	12
LM End	0.06	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.482844 °	37.482844 °	
			-121.050816 °	-121.050816 °	
DWR ID	DWR_RD2091_02_s_2014_12				
Action/Comments					
Retaining Wall Inspector Comments: Concrete foundation on landward toe.					

Photo 1 of 1 : FA_2014_RD2091_319_12_20141103_00009.jpg



Looking west at concrete foundation/retaining wall at landward toe.

LM Start	0.18	Rating **	M	Issue No.	3
LM End	0.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.484342 °	37.484342 °	
			-121.049848 °	-121.049848 °	
DWR ID	DWR_RD2091_02_f_2012_3				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA_2014_RD2091_319_3_20141120_00013.jpg



Looking north at untrimmed tree on waterward slope.

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

Levee Inspection Report By Mile - 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	0.20	Rating **	M	Issue No.	6 (cont)
LM End	0.20	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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - 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 M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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