

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

**Reclamation District No. 2089 Stark**

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

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

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

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

Comments


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

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles
Unit No. 01 Old River	Right	1.51

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/4/2023 - 4/4/2023			
DWR Inspector	Alberto De Leon			
Accompanied By				

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	04/04/2023 04/04/2023	Alberto De Leon

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				o
					o
DWR ID	DWR_RD2089_01_s_2013_4				
Comment Code					
OM : O&M Manuals					
Inspector Comment					
The O&M Manual is available at the LMA's office.					

No Photos

LM Start		Rating **	A	Issue No.	15
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				
DWR ID	DWR_RD2089_01_s_2013_15				
Comment Code					
ES : Emergency Supplies & Equipment					
Inspector Comment					
The LMA has access to flood fighting supplies.					

No Photos

LM Start		Rating **	A	Issue No.	34
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				o
					o
DWR ID	DWR_RD2089_01_f_2022_34				
Comment Code					
FP : Flood Preparedness & Training					
Inspector Comment					
LMA has a flood response plan in the office. It is recommended that the LMA and interested local volunteers take a flood fight training class in order to refresh their flood fight skills and methods.					

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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	04/04/2023 04/04/2023	Alberto De Leon

LM Start	0.00	Rating **	M	Issue No.	9
LM End	0.38	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.811681°	37.809755°
				-121.384930°	-121.391520°
DWR ID	DWR_RD2089_01_s_2012_9				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_RD2089\_316\_9\_20230306\_00006.jpg



View of an irrigation ditch within the landside easement. Fall 2021

LM Start	0.02	Rating **	M	Issue No.	14
LM End	0.02	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.811551°	37.811551°
				-121.385287°	-121.385287°
DWR ID	DWR_RD2089_01_f_2022_14				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_RD2089\_316\_14\_20230306\_00009.jpg



View of depression on crown of road. Fall 2022

LM Start	0.03	Rating **	U	Issue No.	21
LM End	0.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.811508°	37.808966°
				-121.385449°	-121.397533°
DWR ID	DWR_RD2089_01_f_2022_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_RD2089\_316\_21\_20230412\_00036.jpg



Typical view of vegetation along the waterside slope. Spring 2023

<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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	04/04/2023 04/04/2023	Alberto De Leon

LM Start	0.03	Rating **	U	Issue No.	19
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.811505°	37.809056°
				-121.385449°	-121.397437°
DWR ID	DWR_RD2089_01_f _ 2022_19				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_RD2089\_316\_19\_20230412\_00037.jpg



Typical view of vegetation along the landside slope. Spring 2023

LM Start	0.09	Rating **	M	Issue No.	20
LM End	0.09	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.811256°	37.811256°
				-121.386424°	-121.386424°
DWR ID	DWR_RD2089_01_f_2020_20				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

LM Start	0.28	Rating **	M	Issue No.	13
LM End	0.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.810228°	37.810228°
				-121.389711°	-121.389711°
DWR ID	DWR_RD2089_01_s_2022_13				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	04/04/2023 04/04/2023	Alberto De Leon

LM Start	0.33	Rating **	U	Issue No.	18
LM End	0.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.810009 °	37.810009 °
				-121.390635 °	-121.390635 °
DWR ID	DWR_RD2089_01_f _ 2022_18				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					
There is a large Arundo plant on the landside slope.					

Photo 1 of 1 : SP\_2023\_RD2089\_316\_18\_20230306\_00011.jpg



View of Arundo growing along the landside slope. Fall 2022

LM Start	0.46	Rating **	M	Issue No.	1
LM End	0.46	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.809501 °	37.809501 °
				-121.392798 °	-121.392798 °
DWR ID	23042				
Comment Code					
Inspector Comment					
DS_ID:23042 FS_ID:21635 EP_NO: 5641 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: - damaged siphon breaker.- most of the pipe on landside exposed on levee slope. FIELD_STRUCT_DESC: 20-inch steel irrigation discharge pipe and electrical conduit through the levee, 5.8 feet below the crown. Pump on a pile structure in the stream. Siphon breaker on the landside (LS) slope. (Plans to replace a rusted out irrigation discharge pipe through the levee authorized under Permit No. 5641, 1967 - Theodore Stark). [Additional Reference(s): DWR Levee Log, 1991. USACE San Joaquin O&M Manual 8, 1968, (HLM 0.46), 21-inch pipe referenced]. FS Date: 9/12/2013					

Photo 1 of 3 : UCIP\_SP\_2023\_21635\_36742.jpg



WS view: walkway to pump platform and pump on steel piling structure in the channel.

<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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	04/04/2023 04/04/2023	Alberto De Leon

LM Start	<b>0.46</b>	Rating **	M	Issue No.	<b>1 (cont)</b>
LM End	<b>0.46</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.809501°	37.809501°	
			-121.392798°	-121.392798°	
DWR ID	23042				

Photo 2 of 3 : UCIP\_SP\_2023\_21635\_36741.jpg



WS view: steel walkway, electric control box, and pump on steel piling structure in the channel.

LM Start	<b>0.46</b>	Rating **	M	Issue No.	<b>1 (cont)</b>
LM End	<b>0.46</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2023\_21635\_36740.jpg



LS view: overview of exposed steel pipe (right) on levee slope and service pole (left).

LM Start	0.62	Rating **	M	Issue No.	36
LM End	0.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.810144°	37.810144°
				-121.395578°	-121.395578°
DWR ID	DWR_RD2089_01_f_2019_36				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					

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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	04/04/2023 04/04/2023	Alberto De Leon

LM Start	<b>0.65</b>	Rating **	M	Issue No.	<b>3</b>
LM End	<b>0.67</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.809780°	37.809780°
				-121.396230°	-121.396230°
DWR ID	RD2089U01RM29.61				

**Comment Code**

**Inspector Comment**

Site ID: RD2089U01RM29.61

07/29/2022: No significant changes were observed since the previous inspection.

8/25/21: Less levee slope vegetation has exposed bank undercutting. Increased erosion length to 100 feet.

09/30/2020: Noticed less vegetation on the upper levee slope and surface erosion above the pocket erosion.

08/14/2019: From 2011 to 2019, no significant changes were observed during the annual survey.

09/07/2010: It was difficult to view the erosion due to the Willow thickets and other vegetation at the water line. At the time of the inspection, there were no signs of repair on site. As noted during the last survey, there is a 5-foot vertical scarp along the lower slope that may be subjected to high flow velocities.

08/05/2010: Recommended for repair, per CLRO; "Erosion of this site may be subjective to rapid rates of erosion."

09/28/2009: No major change observed; 5-foot vertical scarp is immediately downstream of where berm has tapered; site is recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM29.6, LM0.60; previously rated "U".

11/05/2008: No change observed; rodent holes on lower slope; wide levee crown.

LM Start	<b>0.65</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>0.67</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : SP\_2023\_RD2089\_316\_3\_20230306\_00002.jpg



7/29/2022: View of the erosion looking upstream.

Photo 2 of 3 : SP\_2023\_RD2089\_316\_3\_20230306\_00003.jpg



8/25/2021: Front view of the eroded slope.

<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**

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	04/04/2023 04/04/2023	Alberto De Leon

LM Start	0.65	Rating **	M	Issue No.	3 (cont)
LM End	0.67	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.809780 °	37.809780 °
				-121.396230 °	-121.396230 °
DWR ID	RD2089U01RM29.61				

Photo 3 of 3 : SP\_2023\_RD2089\_316\_3\_20230306\_00004.jpg



8/25/2021: Front view of the site. Note the very dense white willow thickets on site.

LM Start	0.80	Rating **	M	Issue No.	22
LM End	0.80	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.808466°	37.808466°
				-121.397847°	-121.397847°
DWR ID	DWR_RD2089_01_f_2016_22				
Comment Code					
ST : Stairway					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_RD2089\_316\_22\_20230306\_00014.jpg



View of steps on landside slope. Fall 2021

<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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	04/04/2023 04/04/2023	Alberto De Leon

LM Start	0.80	Rating **	U	Issue No.	6	
LM End	0.80	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.808387°	37.808387°	
				-121.397843°	-121.397843°	
DWR ID	23043					
Comment Code						
Inspector Comment						
DS_ID:23043 FS_ID:77043 EP_NO: 3385 Repair Type: Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 08/01/2022 Record updated from Non-Urgent to Urgent. DWR levee inspector reported that pipe has a leak near the waterside shoulder. The leak is causing erosion on the waterside slope under and near the pipe. Water leak on landside slope was noticed, concrete standpipe at landside toe leaks through its joints and overtops. (O.Yakimov - DWR UCIP) 09/12/2013 Powerline on landside. Electric control box on waterside, waterside slope erosion under pump platform. (P.Amatya - DWR UCIP) FIELD_STRUCT_DESC: 16-inch irrigation discharge pipe of an unknown material through the levee, 5.5 feet below the crown. Two cutoff walls. Slant pump in a pump house on the waterside (WS) slope. Siphon breaker on the landside (LS) slope. (Plans for installation of a pumping plant on the riverbank and a pipe that crosses the levee authorized under Permit No. 3385, 1960 - Eleanor M. Lawrence). [Additional Reference(s): DWR Levee Log, 1991. USACE San Joaquin O&M Manual 8, 1968, (HLM 0.81)]. FS Date: 9/12/2013						

LM Start	<b>0.80</b>	Rating **	U	Issue No.	<b>6 (cont)</b>
LM End	<b>0.80</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2023\_77043\_115335.jpg



Water-Side: Water pump at riverbank. Levee slope erosion around the pipe. Photo courtesy by DWR inspector Alberto De Leon

Photo 2 of 3 : UCIP\_SP\_2023\_77043\_115336.jpg



Water-Side: Closeup view of levee slope erosion around the pipe. Photo courtesy by DWR inspector Alberto De Leon

<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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	04/04/2023 04/04/2023	Alberto De Leon

LM Start	<b>0.80</b>	Rating **	U	Issue No.	<b>6 (cont)</b>
LM End	<b>0.80</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.808387°	37.808387°	
			-121.397843°	-121.397843°	
DWR ID	23043				

Photo 3 of 3 : UCIP\_SP\_2023\_77043\_115337.jpg



Land-Side: View of levee slope looking from crown. Water leak on levee slope, erosion around overtopping concrete standpipe

LM Start	0.81	Rating **	C	Issue No.	17
LM End	0.94	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.808319°	37.806453°
				-121.397881°	-121.397755°
DWR ID	DWR_RD2089_01_f_2014_17				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					

No Photos

LM Start	0.82	Rating **	M	Issue No.	23
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.808063°	37.805786°
				-121.397842°	-121.400497°
DWR ID	DWR_RD2089_01_f_2022_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	04/04/2023 04/04/2023	Alberto De Leon

LM Start	1.00	Rating **	M	Issue No.	43
LM End	1.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.806131°	37.806131°
				-121.398819°	-121.398819°
DWR ID	DWR_RD2089_01_s _ 2021_43				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	1.03	Rating **	M	Issue No.	35
LM End	1.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.806033°	37.806033°
				-121.399246°	-121.399246°
DWR ID	DWR_RD2089_01_s _ 2021_35				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	1.05	Rating **	M	Issue No.	33
LM End	1.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.805931°	37.805880°
				-121.399738°	-121.400034°
DWR ID	DWR_RD2089_01_s _ 2021_33				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	04/04/2023 04/04/2023	Alberto De Leon

LM Start	1.17	Rating **	M	Issue No.	2
LM End	1.18	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.805523°	37.805523°
				-121.401718°	-121.401718°
DWR ID	RD2089U01RM29.1				
Comment Code					
Inspector Comment					
Site ID: RD2089U01RM29.1 07/29/2022: From 2021 to present, no significant changes were observed during the annual survey. 09/22/2020: Noticed signs of animal burrowing activity. The upper levee slope has areas with exposed soil. Vegetation is limiting the view of the scarp. 09/26/2019: No significant change observed. 09/13/2017: The erosion is at the upstream of a small tree, inside of a slight river bend.					

Photo 1 of 1 : SP\_2023\_RD2089\_316\_2\_20230306\_00001.jpg



7/29/2022: View of the eroded slope looking downstream with bare soil off the levee shoulder.

LM Start	1.22	Rating **	U	Issue No.	5
LM End	1.23	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.805800°	37.805800°
				-121.402868°	-121.402868°
DWR ID	RD2089U01RM29.04				
Comment Code					
Inspector Comment					
Site ID: RD2089U01RM29.04 07/29/2022: From 2014 to present, no significant changes were observed during the annual survey. 08/13/2013: The erosion is around a tree at the levee toe. Dense vegetation is visible.					

Photo 1 of 1 : SP\_2023\_RD2089\_316\_5\_20230306\_00005.jpg



7/29/2022: View of the erosion around the tree looking downstream.

<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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	04/04/2023 04/04/2023	Alberto De Leon

LM Start	1.23	Rating **	M	Issue No.	42
LM End	1.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.805813°	37.805813°
				-121.402877°	-121.402877°
DWR ID	DWR_RD2089_01_f_2019_42				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_RD2089\_316\_42\_20230306\_00015.jpg



View of an untrimmed tree on the landside slope. Fall 2021

LM Start	1.25	Rating **	M	Issue No.	44
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.805889°	37.805889°
				-121.403277°	-121.403277°
DWR ID	DWR_RD2089_01_s_2012_44				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_RD2089\_316\_44\_20230306\_00016.jpg



View of roadway depression. 11/10/2011

LM Start	1.34	Rating **	M	Issue No.	45
LM End	1.34	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.806128°	37.806128°
				-121.404890°	-121.404890°
DWR ID	DWR_RD2089_01_s_2012_45				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_RD2089\_316\_45\_20230306\_00017.jpg



View of roadway depression. Fall 2021

<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>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	04/04/2023 04/04/2023	Alberto De Leon

LM Start	1.37	Rating **	C	Issue No.	30
LM End	1.37	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.806197°	37.806197°
				-121.405426°	-121.405426°
DWR ID	DWR_RD2089_01_f _ 2020_30				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.38	Rating **	M	Issue No.	16
LM End	1.38	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.806243°	37.806243°
				-121.405591°	-121.405591°
DWR ID	DWR_RD2089_01_s_2023_16				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	1.40	Rating **	C	Issue No.	47
LM End	1.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.806268°	37.806268°
				-121.405874°	-121.405874°
DWR ID	DWR_RD2089_01_s_2012_47				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2089 Stark**

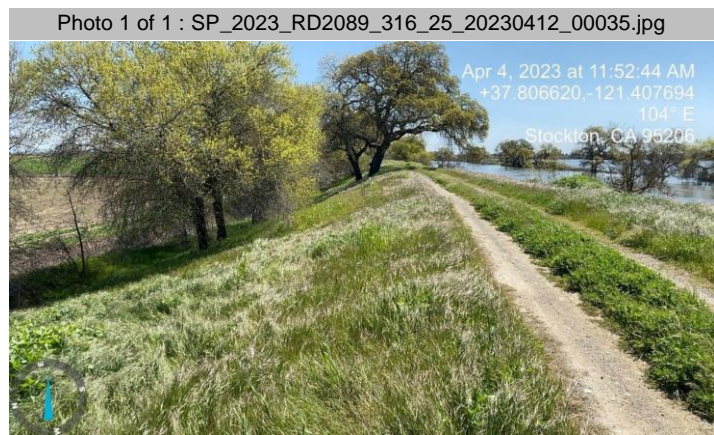
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	04/04/2023 04/04/2023	Alberto De Leon

LM Start	1.40	Rating **	U	Issue No.	26
LM End	1.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.806305°	37.806660°
				-121.405944°	-121.407865°
DWR ID	DWR_RD2089_01_f_2022_26				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					



Typical view of vegetation along the waterside slope. Spring 2023

LM Start	1.40	Rating **	U	Issue No.	25
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.806309°	37.806659°
				-121.405950°	-121.407865°
DWR ID	DWR_RD2089_01_f_2022_25				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					



Typical view of vegetation along the landside slope. Spring 2023

LM Start	1.41	Rating **	C	Issue No.	46
LM End	1.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.806299°	37.806299°
				-121.406010°	-121.406010°
DWR ID	DWR_RD2089_01_f_2019_46				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
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 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	04/04/2023 04/04/2023	Alberto De Leon

LM Start	1.41	Rating **	M	Issue No.	7	
LM End	1.41	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.806323°	37.806323°	
				-121.406149°	-121.406149°	
DWR ID	24667					
Comment Code						
Inspector Comment						
DS_ID:24667 FS_ID:53379 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/12/2018 Same as last inspection. Down grading to Non-Urgent due to abandonment and no visual threat to pipe or levee integrity (D. Sanoski - DWR UCIP).11/15/2016 Same as last inspection. (K. Fazel - UCIP)09/12/2013:- if abandoned, it needs proper abandonment. Pipe damaged and open on both ends. (P. Amatya - DWR) FIELD_STRUCT_DESC: *ABANDONED* 6-inch polyvinyl chloride (PVC) irrigation discharge pipe through the levee, 2 feet below the crown. Pipe was installed due to pump failure, but never removed. Field study discovered pipe. FS Date: 10/12/2018 5:16:00 PM						

LM Start	<b>1.41</b>	Rating **	M	Issue No.	<b>7 (cont)</b>
LM End	<b>1.41</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2023\_53379\_78552.jpg



Crown view - looks in good condition.

Photo 2 of 3 : UCIP\_SP\_2023\_53379\_78553.jpg



WS view - disconnected at end and not in use; levee looks in good condition.

<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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	04/04/2023 04/04/2023	Alberto De Leon

LM Start	<b>1.41</b>	Rating **	M	Issue No.	<b>7 (cont)</b>
LM End	<b>1.41</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.806323°	37.806323°
				-121.406149°	-121.406149°
DWR ID	24667				

Photo 3 of 3 : UCIP\_SP\_2023\_53379\_78554.jpg



LS view - pipe open at end.

<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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	04/04/2023 04/04/2023	Alberto De Leon

LM Start	1.41	Rating **	U	Issue No.	8	
LM End	1.41	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.806323°	37.806323°	
				-121.406155°	-121.406155°	
DWR ID	23045					
Comment Code						
Inspector Comment						
DS_ID:23045 FS_ID:77040 EP_NO: N/A Repair Type: Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 08/09/2022 NTC Enforcement Case 2022-15621 was issued to this crossing. Excavation on landside slope measured 3-feet wide by 20-feet long by 5-feet deep. Excavation on waterside slope measured 3-feet wide by 20-feet long by 3-feet deep. Annular space between sleeved pipes not grouted. (O.Yakimov - DWR UCIP) 08/01/2022 Record updated from Non-Urgent to Urgent. DWR levee inspector reported that this pipe has been replaced with a new pipe, unable to locate a permit for modifications. Landside slope has an open trench and the waterside slope has a significant erosion under the pipe. Both landside and waterside slope need to be recompacted in accordance with O&M standards. Unauthorized encroachment recorded in Levee Log. (O. Yakimov - DWR UCIP) 09/12/2013 siphon breaker needs repair. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 8-inch steel drainage discharge pipe sleeved through 10-inch pipe through the levee, 2.4 feet below the crown, annular space not grouted. Pipe diameter on waterside grows to 10-inch, 8-inch pipe is connected to existing 10-inch pipe at landside toe via coupler with welded diameter reduction. Pump in a drainage ditch on the landside (LS). Siphon breaker on the waterside (WS) shoulder. (10-inch pipe authorized under Permit No. 7981, 1972 - Frank Pellegrini). [Additional Reference(s): DWR Levee Log, 1991]. FS Date: 9/12/2013						

Photo 1 of 3 : UCIP\_SP\_2023\_77040\_115339.jpg



Water-Side: View of erosion around the pipe. Photo courtesy by DWR inspector Alberto De Leon

<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**

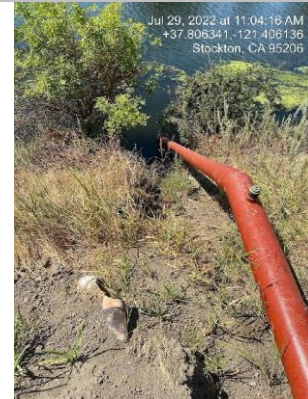
**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	04/04/2023 04/04/2023	Alberto De Leon

LM Start	<b>1.41</b>	Rating **	U	Issue No.	<b>8 (cont)</b>
LM End	<b>1.41</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.806323°	37.806323°	
			-121.406155°	-121.406155°	
DWR ID	23045				

Photo 2 of 3 : UCIP\_SP\_2023\_77040\_115334.jpg



Water-Side: New pipe with air release valve at riverbank. Photo courtesy by DWR inspector Alberto De Leon

LM Start	<b>1.41</b>	Rating **	U	Issue No.	<b>8 (cont)</b>
LM End	<b>1.41</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2023\_77040\_115333.jpg



Water-Side: Replaced pipe exposed in trench on levee slope. Photo courtesy by DWR inspector Alberto De Leon

LM Start	1.43	Rating **	M	Issue No.	48
LM End	1.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.806375°	37.806416°
				-121.406516°	-121.406537°
DWR ID	DWR_RD2089_01_f_2019_48				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					

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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	04/04/2023 04/04/2023	Alberto De Leon

LM Start	1.48	Rating **	M	Issue No.	27
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.806542°	37.806664°
				-121.407319°	-121.407862°
DWR ID	DWR_RD2089_01_f_2022_27				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.48	Rating **	M	Issue No.	10
LM End	1.48	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.806520°	37.806520°
				-121.407392°	-121.407392°
DWR ID	23046				
Comment Code					
Inspector Comment					
DS_ID:23046 FS_ID:53182 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 10/12/2018 Same as last inspection; downgrading to Non-Urgent due to no visual pipe or levee threat (D. Sanoski - DWR UCIP).11/15/2016 Pipe found on WS only. Same as last inspection. (K. Fazel - UCIP)06/25/2015 Crossing appears abandoned; if so, should be done so properly. Pipe open on WS. Holes and cracks visible on pipe. (K. Fazel - UCIP) FIELD_STRUCT_DESC: *ABANDONED* 12-inch reinforced concrete pipe of an unknown purpose possibly through the levee, approximately 8 feet below the crown. Smaller steel pipe sleeved through the 12-inch pipe with annular space grouted. Pipe does not cross channel and may not cross levee. May be related to the gas line crossing with DS ID 25121. Discovered from boat on 2015 DWR Erosion Survey. FS Date: 10/12/2018 5:22:43 PM					

Photo 1 of 3 : UCIP\_SP\_2023\_53182\_78555.jpg



LS view - overgrown vegetation did not allow for visual inspection.

<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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	04/04/2023 04/04/2023	Alberto De Leon

LM Start	<b>1.48</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>1.48</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.806520°	37.806520°
				-121.407392°	-121.407392°
DWR ID	23046				

Photo 2 of 3 : UCIP\_SP\_2023\_53182\_78556.jpg



WS view - no visual signs of any levee threat.

LM Start	<b>1.48</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>1.48</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2023\_53182\_78557.jpg



Crown view - looks in good condition.

<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  
Unit Cover Sheet**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles
Unit No. 02 Salmon Slough	Right	1.35

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/4/2023 - 4/4/2023			
DWR Inspector	Alberto De Leon			
Accompanied By				

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2089 Stark**

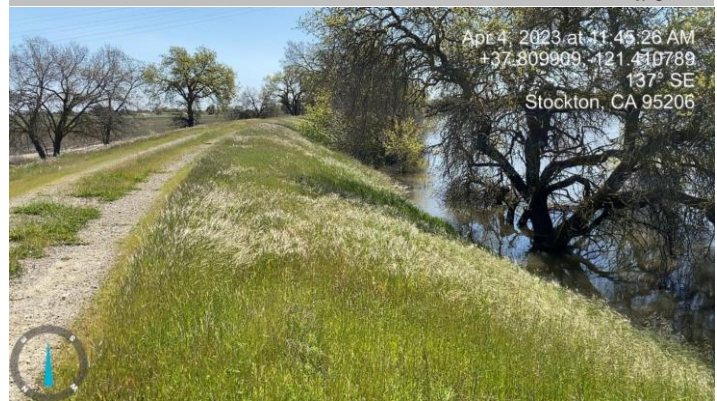
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	04/04/2023 04/04/2023	Alberto De Leon

LM Start	0.00	Rating **	M	Issue No.	76
LM End	0.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.806649°	37.806965°
				-121.407875°	-121.408280°
DWR ID	DWR_RD2089_02_s_2021_76				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.00	Rating **	U	Issue No.	10
LM End	0.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.806666 °	37.810006 °
				-121.407865 °	-121.411370 °
DWR ID	DWR_RD2089_02_f _ 2022_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

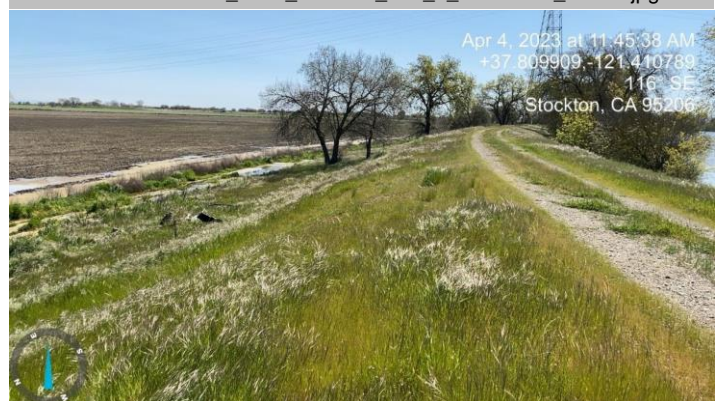
Photo 1 of 1 : SP\_2023\_RD2089\_317\_10\_20230412\_00024.jpg



Typical view of vegetation along the waterside slope. Spring 2023

LM Start	0.00	Rating **	U	Issue No.	8
LM End	0.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.806665°	37.810011°
				-121.407865°	-121.411371°
DWR ID	DWR_RD2089_02_f_2022_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_RD2089\_317\_8\_20230412\_00025.jpg



Typical view of vegetation along the landside slope. Spring 2023

<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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	04/04/2023 04/04/2023	Alberto De Leon

LM Start	0.06	Rating **	M	Issue No.	4
LM End	0.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.807305°	37.807305°
				-121.408702°	-121.408702°
DWR ID	DWR_RD2089_02_s_2012_4				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	0.20	Rating **	A/W	Issue No.	46
LM End	0.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.809100°	37.809200°
				-121.409800°	-121.409900°
DWR ID	LMA-415				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
2017 Storm Damage Site, ID No. 509, LMA 415, displaced riprap at toe. Inspected: Fall 2020, vegetation did not allow inspection of rip rap.					

Photo 1 of 1 : SP\_2023\_RD2089\_317\_46\_20230306\_00013.jpg



View of erosion site on waterside slope. Spring 2020

LM Start	0.32	Rating **	A/W	Issue No.	47
LM End	0.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.810020°	37.811810°
				-121.411550°	-121.415390°
DWR ID	335-103				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
2017 Storm Damage Site, ID No: 109					

Photo 1 of 1 : LEVAL\_SP\_2023\_109\_1298.jpg



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

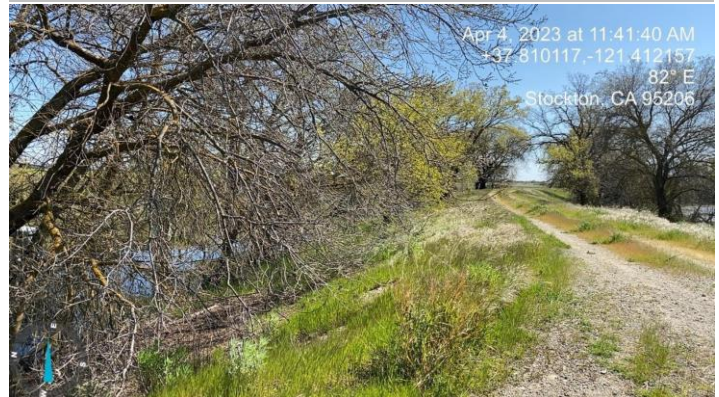
**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	04/04/2023 04/04/2023	Alberto De Leon

LM Start	0.33	Rating **	M	Issue No.	55
LM End	0.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.810030°	37.810052°
				-121.411672°	-121.411966°
DWR ID	DWR_RD2089_02_s_2017_55				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_RD2089\_317\_55\_20230412\_00023.jpg



View of tree branches that need to be thin and trimmed on the landside levee slope. Spring 2023

LM Start	0.35	Rating **	M	Issue No.	2
LM End	0.35	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.810106°	37.810106°
				-121.412133°	-121.412133°
DWR ID	DWR_RD2089_02_s_2012_2				
Comment Code					
FE : Fence					
Inspector Comment					
Cattle guard type fence on levee crown.					

Photo 1 of 1 : SP\_2023\_RD2089\_317\_2\_20230306\_00002.jpg



View of gate across levee crown.

<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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	04/04/2023 04/04/2023	Alberto De Leon

LM Start	0.40	Rating **	U	Issue No.	1	
LM End	0.41	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.810184°	37.810184°	
				-121.413019°	-121.413019°	
DWR ID	RD2089U02RM28.35					
Comment Code						
Inspector Comment						
Site ID: RD2089U02RM28.35						
07/29/2022: From 2021 to present, no significant changes were observed during the annual survey.						
09/22/2020: Observed less vegetation on the levee slope, loose soil, and scattered riprap.						
09/26/2019: From 2011 to 2019, no significant changes were observed during the annual survey.						
09/07/2010: Site consists of a jutting rip rap that has created an eddy, scouring the levee slope. Most sections of the toe and lower slope are lined with rip rap. However, the rip rap is sloughing on the mid slope and at the toe, exposing the underlying soils and tree roots. The remaining revetment is no longer adequately protecting the slope. There are 3 Sycamore trees at the toe with exposed tree roots.						
08/05/2010: Recommended for repair, per CLRO.						
09/28/2009: Pocket erosion on lower slope just above the toe rip rap; protruding rip rap upstream is creating an eddy, scouring the levee slope; Site # is the same as RM28.40,LM0.30; previously rated "U"; pictures will be made available during the next survey.						
11/05/2008: Cut into levee profile; riprap slide; rodent holes; pictures do not match GPS and current condition.						

Photo 1 of 1 : SP\_2023\_RD2089\_317\_1\_20230306\_00001.jpg



7/29/2022: Close-up view of the eroded levee slope.

LM Start	0.44	Rating **	C	Issue No.	27
LM End	0.44	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.810490°	37.810490°
				-121.413638°	-121.413638°
DWR ID	DWR_RD2089_02_s_2012_27				
Comment Code					
BU : Building					
Inspector Comment					

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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	04/04/2023 04/04/2023	Alberto De Leon

LM Start	0.50	Rating **	U	Issue No.	7
LM End	0.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Livestock			37.810999°	37.811380°
				-121.414532°	-121.415059°
DWR ID	DWR_RD2089_02_s_2022_7				
Comment Code					
E4 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
The slope near the waterside hinge is eroded caused by grazing livestock.					

Photo 1 of 1 : SP\_2023\_RD2089\_317\_7\_20230412\_00022.jpg



View of eroded waterside slope caused by livestock. Spring 2023

LM Start	0.51	Rating **	M	Issue No.	17
LM End	0.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.811109°	37.811109°
				-121.414664°	-121.414664°
DWR ID	DWR_RD2089_02_s_2023_17				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	0.51	Rating **	U	Issue No.	62
LM End	0.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.811125°	37.814845°
				-121.414685°	-121.414586°
DWR ID	DWR_RD2089_02_s_2021_62				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_RD2089\_317\_62\_20230306\_00016.jpg



View of an irrigation ditch within the landside easement. Spring 2021

<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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	04/04/2023 04/04/2023	Alberto De Leon

LM Start	0.54	Rating **	M	Issue No.	5	
LM End	0.54	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.811369°	37.811369°	
				-121.415050°	-121.415050°	
DWR ID	23047					
Comment Code						
Inspector Comment						
DS_ID:23047						
FS_ID:21676						
EP_NO: N/A						
Repair Type: Non-Urgent						
EVAL Issue:						
Crossing Status: Found						
UCIP Comments: - air relief valve on waterside. Needs repair.- concrete standpipe on landside.						
FIELD_STRUCT_DESC: 14-inch irrigation discharge pipe of an unknown material through the levee, 8 feet below the crown. Pump on a pile structure in the stream. Timber walkway to the pump. Air relief valve on the waterside (WS) slope. Concrete distribution standpipe on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1991. USACE San Joaquin O&M Manual 8, 1968, (HLM 0.55)].						
FS Date: 9/12/2013						

LM Start	<b>0.54</b>	Rating **	M	Issue No.	<b>5 (cont)</b>
LM End	<b>0.54</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2023\_21676\_36861.jpg



WS view: pipe and pump on piling structure in water channel.

Photo 2 of 3 : UCIP\_SP\_2023\_21676\_36860.jpg



WS view: air relief valve on pipe. Pipe exposed in levee slope.

<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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	04/04/2023 04/04/2023	Alberto De Leon

LM Start	<b>0.54</b>	Rating **	M	Issue No.	<b>5 (cont)</b>
LM End	<b>0.54</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.811369 °	37.811369 °	
			-121.415050 °	-121.415050 °	
DWR ID	23047				

Photo 3 of 3 : UCIP\_SP\_2023\_21676\_36859.jpg



WS view: pipe (left) and steel walkway to pump on piling structure in the channel.

LM Start	<b>0.60</b>	Rating **	M	Issue No.	<b>3</b>
LM End	<b>0.61</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.812000 °	37.812000 °	
			-121.415700 °	-121.415700 °	
DWR ID	RD2089U02RM28.14				

Comment Code

Inspector Comment

Site ID: RD2089U02RM28.14

07/29/2022: From 2021 to present, no significant changes were observed during the annual survey.

09/22/2020: This site is a 2017 Storm Damage Site (LMA-413). There is a vertical cut on the bank. The berm width ranges from 2 ft to 20 ft. The site will likely worsen during the next high water.

Photo 1 of 1 : SP\_2023\_RD2089\_317\_3\_20230306\_00003.jpg



7/29/2022: View of the erosion looking upstream.

<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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	04/04/2023 04/04/2023	Alberto De Leon

LM Start	0.74	Rating **	M	Issue No.	16
LM End	0.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.813641°	37.813641°
				-121.414462°	-121.414462°
DWR ID	DWR_RD2089_02_s_2023_16				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	0.83	Rating **	U	Issue No.	6
LM End	1.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.814832°	37.819553°
				-121.414583°	-121.419711°
DWR ID	DWR_RD2089_02_s_2023_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_RD2089\_317\_6\_20230412\_00021.jpg



Typical view of vegetation along the waterside slope. Spring 2023

LM Start	0.84	Rating **	M	Issue No.	9
LM End	0.84	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.814881°	37.814881°
				-121.414676°	-121.414676°
DWR ID	DWR_RD2089_02_s_2012_9				
Comment Code					
FE : Fence					
Inspector Comment					
Cattle guard type fence on levee crown.					

Photo 1 of 1 : SP\_2023\_RD2089\_317\_9\_20230306\_00006.jpg



View of the fence gate across levee crown.

<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>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			



**Flood Control Project Maintenance  
Levee Inspections**

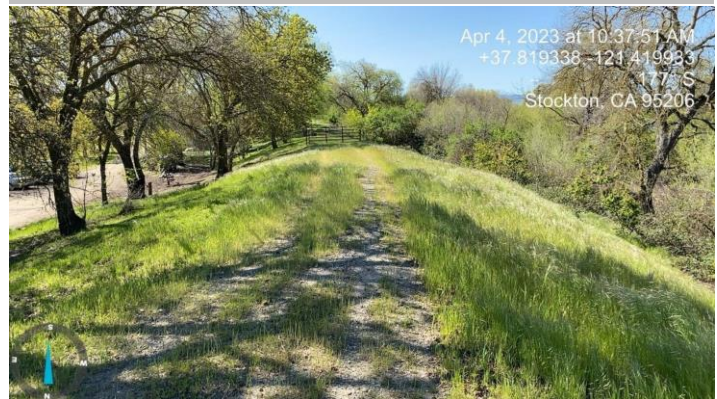
**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	04/04/2023 04/04/2023	Alberto De Leon

LM Start	0.84	Rating **	M	Issue No.	12
LM End	1.34	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.814907°	37.819557°
				-121.414685°	-121.419696°
DWR ID	DWR_RD2089_02_f _ 2022_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_RD2089\_317\_12\_20230412\_00020.jpg



View of vegetation on levee crown. Spring 2023

LM Start	0.84	Rating **	M	Issue No.	13
LM End	1.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.814908°	37.819557°
				-121.414686°	-121.419696°
DWR ID	DWR_RD2089_02_f_2022_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.84	Rating **	M	Issue No.	25
LM End	0.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.814906°	37.815011°
				-121.414745°	-121.414900°
DWR ID	DWR_RD2089_02_s_2012_25				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	04/04/2023 04/04/2023	Alberto De Leon

LM Start	0.91	Rating **	A/W	Issue No.	59
LM End	0.93	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.814890°	37.814890°
				-121.415880°	-121.416330°
DWR ID	335-3				
Comment Code					
SS : Seepage / Sandboils					
Inspector Comment					

No Photos

LM Start	0.96	Rating **	M	Issue No.	68
LM End	0.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.814911°	37.814911°
				-121.416756°	-121.416756°
DWR ID	DWR_RD2089_02_s _ 2020_68				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.98	Rating **	M	Issue No.	69
LM End	1.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.815018°	37.815356°
				-121.417117°	-121.417745°
DWR ID	DWR_RD2089_02_s _ 2020_69				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

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

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	04/04/2023 04/04/2023	Alberto De Leon

LM Start	1.03	Rating **	M	Issue No.	50
LM End	1.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.815515°	37.815515°
				-121.417931°	-121.417931°
DWR ID	DWR_RD2089_02_s_2021_50				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	1.04	Rating **	M	Issue No.	70
LM End	1.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.815563°	37.815761°
				-121.418052°	-121.418225°
DWR ID	DWR_RD2089_02_s_2020_70				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.05	Rating **	N	Issue No.	29
LM End	1.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.815629°	37.815629°
				-121.418133°	-121.418133°
DWR ID	DWR_RD2089_02_s_2012_29				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_RD2089\_317\_29\_20230306\_00012.jpg



View of tree stump left after vegetation and tree removal.

<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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	04/04/2023 04/04/2023	Alberto De Leon

LM Start	1.06	Rating **	M	Issue No.	11
LM End	1.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.815775°	37.815775°
				-121.418280°	-121.418280°
DWR ID	DWR_RD2089_02_s_2023_11				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	1.08	Rating **	M	Issue No.	14
LM End	1.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.815986°	37.815986°
				-121.418463°	-121.418463°
DWR ID	DWR_RD2089_02_f_2022_14				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.10	Rating **	M	Issue No.	15
LM End	1.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.816207°	37.816514°
				-121.418675°	-121.418948°
DWR ID	DWR_RD2089_02_f_2022_15				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<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**

**Levee Inspection Report By Mile - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	04/04/2023 04/04/2023	Alberto De Leon

LM Start	1.12	Rating **	M	Issue No.	30
LM End	1.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.816514°	37.816514°
				-121.418948°	-121.418948°
DWR ID	DWR_RD2089_02_s_2012_30				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	1.17	Rating **	M	Issue No.	71
LM End	1.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.817069°	37.817363°
				-121.419274°	-121.419407°
DWR ID	DWR_RD2089_02_s_2020_71				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.17	Rating **	M	Issue No.	37
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.817182°	37.817357°
				-121.419302°	-121.419418°
DWR ID	DWR_RD2089_02_s_2021_37				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					

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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	04/04/2023 04/04/2023	Alberto De Leon

LM Start	1.23	Rating **	U	Issue No.	31
LM End	1.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.817976°	37.818051°
				-121.419714°	-121.419743°
DWR ID	DWR_RD2089_02_s_2012_31				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	1.24	Rating **	M	Issue No.	72
LM End	1.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.818151°	37.818558°
				-121.419745°	-121.419757°
DWR ID	DWR_RD2089_02_s_2020_72				
Comment Code					
T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.25	Rating **	M	Issue No.	23
LM End	1.31	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.818277°	37.819040°
				-121.419725°	-121.419760°
DWR ID	DWR_RD2089_02_s_2012_23				
Comment Code					
BU : Building					
Inspector Comment					
Buildings and equipment encroach within 10-ft of landside toe.					

Photo 1 of 1 : SP\_2023\_RD2089\_317\_23\_20230306\_00010.jpg



View of storage container along the landside easement. Fall 2022

<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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	04/04/2023 04/04/2023	Alberto De Leon

LM Start	1.27	Rating **	U	Issue No.	22
LM End	1.27	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.818541°	37.818541°
				-121.419748°	-121.419748°
DWR ID	DWR_RD2089_02_f_2020_22				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_RD2089\_317\_22\_20230306\_00009.jpg



View of prunings along the waterside slope. Fall 2022

LM Start	1.29	Rating **	M	Issue No.	34
LM End	1.29	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.818815°	37.818815°
				-121.419766°	-121.419766°
DWR ID	DWR_RD2089_02_s_2021_34				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.29	Rating **	A/W	Issue No.	32
LM End	1.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.818829°	37.818829°
				-121.419776°	-121.419776°
DWR ID	DWR_RD2089_02_s_2012_32				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

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 - Spring 2023**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	04/04/2023 04/04/2023	Alberto De Leon

LM Start	1.29	Rating **	N	Issue No.	18
LM End	1.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.818843°	37.818843°
				-121.419762°	-121.419762°
DWR ID	DWR_RD2089_02_f_2016_18				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP\_2023\_RD2089\_317\_18\_20230306\_00008.jpg



View of the tree stump from the levee crown.

<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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