

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

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

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2020 Levee Inspection Results

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 | 4/6/2020 - 4/6/2020 | | | |
| 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 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | 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 | | | | ° |
| | | | | | ° |
| DWR ID | DWR_RD2089_01_s_2013_4 | | | | |
| Comment Code | | | | | |
| | | | | | |
| 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 | | | | | | | |
| | | | | | | | |
| Inspector Comment | | | | | | | |
| The LMA has flood fighting supplies on-site. | | | | | | | |

No Photos

| | | | | | |
|--|-------------------------------|--------------|----|------------------------|-----|
| LM Start | | Rating ** | M | Issue No. | 34 |
| LM End | | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Flood Preparedness & Training | | | | ° |
| | | | | | ° |
| DWR ID | DWR_RD2089_01_s_2013_34 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| The LMA has not attended a flood fight training class in the past few years. They do have an emergency plan. | | | | | |

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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | 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_2020_RD2089_316_9_20200228_00009.jpg



Ditch flows parallel with the utility line shown in the photo. 05/24/2011

| | | | | | |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.02 | Rating ** | M | Issue No. | 12 |
| LM End | 0.02 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.811537 ° | 37.811537 ° |
| | | | | -121.385354 ° | -121.385354 ° |
| DWR ID | DWR_RD2089_01_s_2019_12 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_316_12_20200504_00051.jpg



View of depression on surface road near landside hinge. Spring 2020

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.03 | Rating ** | U | Issue No. | 24 |
| LM End | 0.75 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.811518 ° | 37.809016 ° |
| | | | | -121.385362 ° | -121.397481 ° |
| DWR ID | DWR_RD2089_01_f_2019_24 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Vegetation on landside slope needs to be maintained to allow access and visibility. | | | | | |

Photo 1 of 1 : SP_2020_RD2089_316_24_20200504_00052.jpg



View of overgrown vegetation on landside slope. Spring 2020

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

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

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

Reclamation District No. 2089 Stark

| * 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 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.09 | Rating ** | M | Issue No. | 21 |
| LM End | 0.09 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.811268 ° | 37.811268 ° |
| | | | | -121.386521 ° | -121.386521 ° |
| DWR ID | DWR_RD2089_01_s_2019_21 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.24 | Rating ** | M | Issue No. | 19 |
| LM End | 0.24 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.810463 ° | 37.810463 ° |
| | | | | -121.389006 ° | -121.389006 ° |
| DWR ID | DWR_RD2089_01_s_2020_19 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.25 | Rating ** | M | Issue No. | 23 |
| LM End | 0.28 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.810381 ° | 37.810232 ° |
| | | | | -121.389304 ° | -121.389777 ° |
| DWR ID | DWR_RD2089_01_s_2020_23 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|--|-----------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.26 | Rating ** | A/W | Issue No. | 13 |
| LM End | 0.27 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 37.810300 ° | 37.810300 ° |
| | | | | -121.389300 ° | -121.389500 ° |
| DWR ID | LMA-419 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| 2017 Storm Damage Site, ID No. 513, LMA 419. Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water. | | | | | |
| . | | | | | |

Photo 1 of 1 : LEVAL_SP_2020_513_4443.jpg



| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.31 | Rating ** | M | Issue No. | 25 |
| LM End | 0.31 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.810109 ° | 37.810109 ° |
| | | | | -121.390192 ° | -121.390192 ° |
| DWR ID | DWR_RD2089_01_s_2020_25 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.32 | Rating ** | C | Issue No. | 26 |
| LM End | 0.32 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.810030 ° | 37.810030 ° |
| | | | | -121.390476 ° | -121.390476 ° |
| DWR ID | DWR_RD2089_01_s_2019_26 | | | | |
| Comment Code | | | | | |
| T4 : Trim trees over roadway to at least 12 feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.35 | Rating ** | M | Issue No. | 28 |
| LM End | 0.35 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.809904 ° | 37.809904 ° |
| | | | | -121.391021 ° | -121.391021 ° |
| DWR ID | DWR_RD2089_01_s _ 2020_28 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.37 | Rating ** | M | Issue No. | 31 |
| LM End | 0.38 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.809859 ° | 37.809779 ° |
| | | | | -121.391243 ° | -121.391533 ° |
| DWR ID | DWR_RD2089_01_s _ 2020_31 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.40 | Rating ** | M | Issue No. | 32 |
| LM End | 0.40 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.809724 ° | 37.809724 ° |
| | | | | -121.391736 ° | -121.391736 ° |
| DWR ID | DWR_RD2089_01_s _ 2020_32 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.45 | Rating ** | M | Issue No. | 33 |
| LM End | 0.45 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.809484 ° | 37.809484 ° |
| | | | | -121.392748 ° | -121.392748 ° |
| DWR ID | DWR_RD2089_01_s_2020_33 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | | |
|--|----------------------|--------------|----|------------------------|----|---------------|
| LM Start | 0.46 | Rating ** | M | Issue No. | 57 | |
| 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 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_2020_21635_36742.jpg



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

| | | | |
|--|--|---|---|
| * 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.46 | Rating ** | M | Issue No. | 57 (cont) |
| 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 | | | | |

Photo 2 of 3 : UCIP_SP_2020_21635_36741.jpg



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

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.46 | Rating ** | M | Issue No. | 57 (cont) |
| LM End | 0.46 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_SP_2020_21635_36740.jpg



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

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.46 | Rating ** | M | Issue No. | 50 |
| LM End | 0.48 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.809495 ° | 37.809621 ° |
| | | | | -121.392807 ° | -121.393125 ° |
| DWR ID | DWR_RD2089_01_s_2020_50 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.47 | Rating ** | M | Issue No. | 51 |
| LM End | 0.47 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.809568 ° | 37.809568 ° |
| | | | | -121.392986 ° | -121.392986 ° |
| DWR ID | DWR_RD2089_01_s_2020_51 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.50 | Rating ** | M | Issue No. | 52 |
| LM End | 0.50 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.809791 ° | 37.809791 ° |
| | | | | -121.393465 ° | -121.393465 ° |
| DWR ID | DWR_RD2089_01_s_2020_52 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.53 | Rating ** | U | Issue No. | 29 |
| LM End | 0.53 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.810001 ° | 37.810001 ° |
| | | | | -121.393903 ° | -121.393903 ° |
| DWR ID | DWR_RD2089_01_f_2019_29 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Downed tree limb has been cut and placed on landside slope. | | | | | |

Photo 1 of 1 : SP_2020_RD2089_316_29_20200504_00054.jpg



View of downed tree limb on landside slope. Spring 2020

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|--------------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.54 | Rating ** | M | Issue No. | 14 |
| LM End | 0.54 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.810087 ° | 37.810087 ° |
| | | | | -121.394200 ° | -121.394200 ° |
| DWR ID | DWR_RD2089_01_s_2012_14 | | | | |
| Comment Code | | | | | |
| C3 : Add appropriate gravel or road base. Grade and compact. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_316_14_20200228_00012.jpg



11/10/2011 Depressions in crown.

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.58 | Rating ** | C | Issue No. | 35 |
| LM End | 0.58 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.810203 ° | 37.810203 ° |
| | | | | -121.394878 ° | -121.394878 ° |
| DWR ID | DWR_RD2089_01_f _ 2019_35 | | | | |
| Comment Code | | | | | |
| T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.59 | Rating ** | M | Issue No. | 53 |
| LM End | 0.59 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.810233 ° | 37.810233 ° |
| | | | | -121.395095 ° | -121.395095 ° |
| DWR ID | DWR_RD2089_01_s_2020_53 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| 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 | | | | | |
| T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | | |
|--|--------------------|--------------|-----|------------------------|---|---------------|
| LM Start | 0.66 | Rating ** | A/W | Issue No. | 5 | |
| 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 ° | | -121.396400 ° |
| DWR ID | RD2089U01RM29.61 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| Site ID: RD2089U01RM29.61 | | | | | | |
| 08/14/2019: No significant change observed. | | | | | | |
| 09/13/2017: No significant change observed. | | | | | | |
| 07/25/2016: No significant change observed. | | | | | | |
| 06/25/2015: No significant change observed. | | | | | | |
| 07/02/2014: No significant change observed. | | | | | | |
| 08/13/2013: No significant change observed. | | | | | | |
| 08/07/2012: The site has been visited by boat survey. No significant change observed | | | | | | |
| 08/23/2011: The 5-foot vertical scarp shows no significant change from the last year inspection. No new erosion activities observed. Dense white willow trees on site. | | | | | | |
| 09/07/2010: It was difficult to view the erosion due to the thick 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. | | | | | | |

Photo 1 of 2 : SP_2020_RD2089_316_5_20200228_00007.jpg



Front view of the site.

| | | | |
|--|--|---|---|
| * 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | | |
|----------|--------------------|--------------|-----|------------------------|---------------|-----|
| LM Start | 0.66 | Rating ** | A/W | Issue No. | 5 (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 ° | -121.396400 ° | |
| DWR ID | RD2089U01RM29.61 | | | | | |

Photo 2 of 2 : SP_2020_RD2089_316_5_20200228_00008.jpg



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 2 : SP_2020_RD2089_316_22_20200228_00021.jpg



View of steps on landside slope. Fall 2019

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.80 | Rating ** | M | Issue No. | 22 (cont) |
| LM End | 0.80 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : SP_2020_RD2089_316_22_20200228_00022.jpg



View of the footpath on the landside levee slope.

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 0.80 | Rating ** | M | Issue No. | 58 | |
| 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:21587 EP_NO: 3385 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - powerline on landside.- electric control box on waterside.- waterside slope erosion under pump platform. 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 | 0.80 | Rating ** | M | Issue No. | 58 (cont) |
| LM End | 0.80 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2020_21587_36635.jpg



WS view: slant pump on wooden platform. Oil leaks from the pump.

Photo 2 of 3 : UCIP_SP_2020_21587_36634.jpg



WS view: soil erosion under pump platform. Needs mitigation measures to stop erosion.

| | | | |
|--|--|---|---|
| * 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.80 | Rating ** | M | Issue No. | 58 (cont) |
| 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 | | | | |

Photo 3 of 3 : UCIP_SP_2020_21587_36633.jpg



LS view: exposed pipe with siphon breaker on levee slope. Concrete standpipe on levee toe.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.81 | Rating ** | U | 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 | | | | | |
| The landside levee toe is cut due to farming. | | | | | |

Photo 1 of 2 : SP_2020_RD2089_316_17_20200228_00015.jpg



View of vertical cut along the landside toe. (Fall 2019)

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.81 | Rating ** | U | Issue No. | 17 (cont) |
| LM End | 0.94 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : SP_2020_RD2089_316_17_20200228_00016.jpg



View of the vertical cut along the landside levee 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 | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.82 | Rating ** | U | Issue No. | 54 |
| LM End | 1.07 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.808084 ° | 37.805854 ° |
| | | | | -121.397872 ° | -121.400088 ° |
| DWR ID | DWR_RD2089_01_s_2020_54 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_316_54_20200504_00056.jpg



View of overgrown vegetation on waterside slope. Spring 2020

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.86 | Rating ** | M | Issue No. | 37 |
| LM End | 0.86 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.807519 ° | 37.807519 ° |
| | | | | -121.397780 ° | -121.397780 ° |
| DWR ID | DWR_RD2089_01_f_2019_37 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.94 | Rating ** | M | Issue No. | 38 |
| LM End | 0.94 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.806403 ° | 37.806403 ° |
| | | | | -121.397779 ° | -121.397779 ° |
| DWR ID | DWR_RD2089_01_f_2019_38 | | | | |
| Comment Code | | | | | |
| T3 : Trim and thin trees 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.96 | Rating ** | M | Issue No. | 39 |
| LM End | 0.96 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.806253 ° | 37.806253 ° |
| | | | | -121.398070 ° | -121.398070 ° |
| DWR ID | DWR_RD2089_01_f _ 2019_39 | | | | |
| Comment Code | | | | | |
| T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.97 | Rating ** | M | Issue No. | 27 |
| LM End | 1.07 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.806245 ° | 37.805853 ° |
| | | | | -121.398156 ° | -121.400090 ° |
| DWR ID | DWR_RD2089_01_s_2019_27 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Vegetation on landside slope needs to be maintained to allow access and visibility. | | | | | |

Photo 1 of 1 : SP_2020_RD2089_316_27_20200228_00025.jpg



View of vegetation on landside slope. (spring 2019)

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.00 | Rating ** | M | Issue No. | 40 |
| LM End | 1.00 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.806107 ° | 37.806107 ° |
| | | | | -121.398771 ° | -121.398771 ° |
| DWR ID | DWR_RD2089_01_f_2019_40 | | | | |
| Comment Code | | | | | |
| T3 : Trim and thin trees 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.07 | Rating ** | M | Issue No. | 41 |
| LM End | 1.07 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.805861 ° | 37.805861 ° |
| | | | | -121.399976 ° | -121.399976 ° |
| DWR ID | DWR_RD2089_01_f _ 2019_41 | | | | |
| Comment Code | | | | | |
| T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|--------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.16 | Rating ** | A/W | Issue No. | 3 |
| LM End | 1.18 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.805523 ° | 37.805600 ° |
| | | | | -121.401700 ° | -121.401900 ° |
| DWR ID | RD2089U01RM29.1 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Site ID: RD2089U01RM29.1 | | | | | |
| 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_2020_RD2089_316_3_20200228_00005.jpg



Looking at the erosion from levee top.

| | | | |
|--|--|---|---|
| * 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|---|--------------------|--------------|----|------------------------|---------------|
| LM Start | 1.22 | Rating ** | M | Issue No. | 2 |
| LM End | 1.23 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.805580 ° | 37.805580 ° |
| | | | | -121.403010 ° | -121.403010 ° |
| DWR ID | RD2089U01RM29.04 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Site ID: RD2089U01RM29.04 09/26/2019: No significant change observed. 09/13/2017: No significant change observed. More vegetation observed at the site. 09/16/2016: The river was not navigable near the site due to the dense water grass, so the site was visited by land survey. No significant change observed. 06/25/2015: No significant change observed. 07/02/2014: No significant change observed. 08/13/2013: The erosion is around a tree at the levee toe. Dense vegetation is visible. | | | | | |

Photo 1 of 1 : SP_2020_RD2089_316_2_20200228_00003.jpg



Looking at the erosion from levee top.

| | | | | | |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.22 | Rating ** | M | Issue No. | 43 |
| LM End | 1.22 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.805735 ° | 37.805735 ° |
| | | | | -121.402614 ° | -121.402614 ° |
| DWR ID | DWR_RD2089_01_s_2012_43 | | | | |
| Comment Code | | | | | |
| C3 : Add appropriate gravel or road base. Grade and compact. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_316_43_20200228_00031.jpg



View of depression in roadway. 11/10/2011

*** 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.22 | 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 | | | 37.805766 ° | 37.805797 ° |
| | | | | -121.402748 ° | -121.402894 ° |
| DWR ID | DWR_RD2089_01_f _ 2019_42 | | | | |
| Comment Code | | | | | |
| T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.23 | Rating ** | M | Issue No. | 44 |
| LM End | 1.23 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.805801 ° | 37.805801 ° |
| | | | | -121.402913 ° | -121.402913 ° |
| 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_2020_RD2089_316_44_20200228_00032.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_2020_RD2089_316_45_20200228_00033.jpg



View of roadway depression. 11/10/2011

| | | | |
|--|--|---|---|
| * 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.38 | Rating ** | M | Issue No. | 55 |
| LM End | 1.51 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.806234 ° | 37.806619 ° |
| | | | | -121.405617 ° | -121.407842 ° |
| DWR ID | DWR_RD2089_01_s_2020_55 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.40 | Rating ** | M | 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 | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_316_47_20200228_00034.jpg



View of active rodent burrow on landside slope. 11/10/2011

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.41 | Rating ** | M | 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 | | | | | |
| T3 : Trim and thin trees 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.41 | Rating ** | M | Issue No. | 56 |
| LM End | 1.41 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.806298 ° | 37.806298 ° |
| | | | | -121.406025 ° | -121.406025 ° |
| DWR ID | DWR_RD2089_01_s_2020_56 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 1.41 | Rating ** | M | Issue No. | 59 | |
| 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 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 | | | | | | |

Photo 1 of 3 : UCIP_SP_2020_53379_36611.jpg



WS view: 6-inch pvc pipe on levee slope. Pipe end open and damaged.

| | | | |
|--|--|---|---|
| * 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|------------------|
| LM Start | 1.41 | Rating ** | M | Issue No. | 59 (cont) |
| 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 | | | | |

Photo 2 of 3 : UCIP_SP_2020_53379_36610.jpg



WS view: inside view of pvc pipe. Sediments found inside the pipe.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.41 | Rating ** | M | Issue No. | 59 (cont) |
| LM End | 1.41 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_SP_2020_53379_36609.jpg



LS view: 6-inch pvc pipe on levee slope. Pipe end open.

| | | | |
|--|--|---|---|
| * 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 1.41 | Rating ** | M | Issue No. | 60 | |
| LM End | 1.41 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.806323 ° | 37.806323 ° | |
| | | | | -121.406155 ° | -121.406155 ° | |
| DWR ID | 23045 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:23045 FS_ID:21585 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - siphon breaker needs repair. FIELD_STRUCT_DESC: 10-inch steel drainage discharge pipe through the levee, 2.4 feet below the crown. Pump in a drainage ditch on the landside (LS). Siphon breaker on the waterside (WS) shoulder. [Additional Reference(s): DWR Levee Log, 1991]. FS Date: 9/12/2013 | | | | | | |

Photo 1 of 3 : UCIP_SP_2020_21585_36624.jpg



WS view: exposed steel pipe on levee slope. A pvc pipe on left.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.41 | Rating ** | M | Issue No. | 60 (cont) |
| LM End | 1.41 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_SP_2020_21585_36623.jpg



WS view: exposed steel pipe with siphon breaker. Looks siphon breaker needs repair.

| | | | |
|--|--|---|---|
| * 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|------------------|
| LM Start | 1.41 | Rating ** | M | Issue No. | 60 (cont) |
| LM End | 1.41 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.806323 ° | 37.806323 ° |
| | | | | -121.406155 ° | -121.406155 ° |
| DWR ID | 23045 | | | | |

Photo 3 of 3 : UCIP_SP_2020_21585_36622.jpg



LS view: exposed steel pipe on levee slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.43 | Rating ** | M | Issue No. | 48 |
| LM End | 1.43 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.806375 ° | 37.806375 ° |
| | | | | -121.406516 ° | -121.406516 ° |
| DWR ID | DWR_RD2089_01_f_2019_48 | | | | |
| Comment Code | | | | | |
| T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.44 | Rating ** | M | Issue No. | 49 |
| LM End | 1.44 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.806383 ° | 37.806383 ° |
| | | | | -121.406599 ° | -121.406599 ° |
| DWR ID | DWR_RD2089_01_s_2012_49 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_316_49_20200228_00035.jpg



View of deep burrow on waterside. 11/10/2011

| | | | |
|--|--|---|---|
| * 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 1.48 | Rating ** | M | Issue No. | 61 |
| 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
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

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.48 | Rating ** | M | Issue No. | 61 (cont) |
| LM End | 1.48 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2020_53182_74506.jpg



View up WS slope from water. Pipe does not cross channel.

Photo 2 of 3 : UCIP_SP_2020_53182_74508.jpg



Gasline marker (for crossing with DS ID 25121) appr. 100 ft west of crossing.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Old River | Right | 1.51 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|------------------|
| LM Start | 1.48 | Rating ** | M | Issue No. | 61 (cont) |
| 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 | | | | |

Photo 3 of 3 : UCIP_SP_2020_53182_76207.jpg



WS view of pipe

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

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2020 Levee Inspection Results

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 | 4/6/2020 - 4/6/2020 | | | |
| 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 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Salmon Slough | Right | 1.35 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | U | Issue No. | 60 |
| LM End | 0.15 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.806636 ° | 37.808402 ° |
| | | | | -121.407840 ° | -121.409378 ° |
| DWR ID | DWR_RD2089_02_f _ 2019_60 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_60_20200504_00068.jpg



View of overgrown vegetation on landside slope. Spring 2020

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | U | Issue No. | 58 |
| LM End | 0.15 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.806636 ° | 37.808402 ° |
| | | | | -121.407840 ° | -121.409380 ° |
| DWR ID | DWR_RD2089_02_s_2017_58 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_58_20200504_00069.jpg



View of overgrown vegetation on waterside slope. Spring 2020

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.06 | Rating ** | U | 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

| | | | |
|--|--|---|---|
| * 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Salmon Slough | Right | 1.35 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.15 | Rating ** | M | Issue No. | 20 |
| LM End | 0.50 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.808413 ° | 37.810966 ° |
| | | | | -121.409382 ° | -121.414499 ° |
| DWR ID | DWR_RD2089_02_s_2020_20 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.15 | Rating ** | M | Issue No. | 8 |
| LM End | 0.50 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.808423 ° | 37.810966 ° |
| | | | | -121.409381 ° | -121.414499 ° |
| DWR ID | DWR_RD2089_02_s_2020_8 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.16 | Rating ** | U | Issue No. | 48 |
| LM End | 0.16 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.808583 ° | 37.808583 ° |
| | | | | -121.409432 ° | -121.409432 ° |
| DWR ID | DWR_RD2089_02_f_2013_48 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_48_20200228_00046.jpg



View of the rodent burrow on the landside levee slope.

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

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

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

Reclamation District No. 2089 Stark

| * 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 |

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 Salmon Slough | Right | 1.35 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.28 | Rating ** | U | Issue No. | 52 |
| LM End | 0.30 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.809899 ° | 37.809997 ° |
| | | | | -121.410888 ° | -121.411298 ° |
| DWR ID | DWR_RD2089_02_f _ 2013_52 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| Remove prunings and other debris from the levee toe. | | | | | |

View of the tree branches on the landside levee toe obstructing access.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.28 | Rating ** | U | Issue No. | 51 |
| LM End | 0.28 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.809899 ° | 37.809899 ° |
| | | | | -121.410889 ° | -121.410889 ° |
| DWR ID | DWR_RD2089_02_s_2020_51 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

A photograph showing a dry, rocky hillside. The foreground is dominated by a large, light-colored rock with a dark shadow cast across it. The hillside is covered with sparse, dry, brown vegetation and many bare, thin branches. In the background, there are some green trees and a small, light-colored structure. A date stamp '10/25/2019' is visible in the bottom right corner of the image.

View of the rodent burrow on the landside levee toe.

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.30 | Rating ** | U | Issue No. | 53 |
| LM End | 0.31 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.809977 ° | 37.810022 ° |
| | | | | -121.411189 ° | -121.411387 ° |
| DWR ID | DWR_RD2089_02_f _ 2013_53 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

View of the rodent burrow on the landside levee slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Salmon Slough | Right | 1.35 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|-------------------------------------|-----------------------|--------------|-----|------------------------|---------------|
| 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_2020_109_1298.jpg



| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.34 | 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 | | | 37.810052 ° | 37.810052 ° |
| | | | | -121.411966 ° | -121.411966 ° |
| DWR ID | DWR_RD2089_02_s_2017_55 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_55_20200228_00057.jpg



View of the overgrown tree on the levee slope.

| | | | | | |
|-------------------------------------|------------------------|--------------|----|------------------------|---------------|
| 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 | | | | | |
| There is a gate across levee crown. | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_2_20200228_00004.jpg



View of gate across levee crown.

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Salmon Slough | Right | 1.35 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.36 | Rating ** | M | Issue No. | 26 |
| LM End | 0.36 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.810125 ° | 37.810125 ° |
| | | | | -121.412317 ° | -121.412317 ° |
| DWR ID | DWR_RD2089_02_s_2012_26 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_26_20200228_00022.jpg



View of active rodent burrow. 05/24/2011

| | | | | | |
|--|---------------------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.39 | Rating ** | A/W | Issue No. | 7 |
| LM End | 0.39 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.810140 ° | 37.810140 ° |
| | | | | -121.412906 ° | -121.412906 ° |
| DWR ID | DWR_RD2089_02_f _ 2018_7 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_7_20200228_00007.jpg



View of depression greater than six inches on levee crown. (Fall 2018)

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

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

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

Reclamation District No. 2089 Stark

Close-up view of the erosion.

No Photos

Page 7 of 25

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Salmon Slough | Right | 1.35 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.44 | Rating ** | M | 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 | | | | | |
| There is a portable toilet on the bank at the water's edge. | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_27_20200228_00025.jpg



Close-up view of portable toilet at water's edge. (Fall 2018)

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.44 | Rating ** | M | Issue No. | 34 |
| LM End | 0.44 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.810509 ° | 37.810509 ° |
| | | | | -121.413624 ° | -121.413624 ° |
| DWR ID | DWR_RD2089_02_s_2019_34 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.46 | Rating ** | M | Issue No. | 13 |
| LM End | 0.46 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.810691 ° | 37.810691 ° |
| | | | | -121.414014 ° | -121.414014 ° |
| DWR ID | DWR_RD2089_02_s_2012_13 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_13_20200228_00013.jpg



View of two large burrows on crown, need to be filled. 11/10/2011

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Salmon Slough | Right | 1.35 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|--|---------------------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.47 | Rating ** | A/W | Issue No. | 10 |
| LM End | 0.47 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.810714 ° | 37.810714 ° |
| | | | | -121.414057 ° | -121.414057 ° |
| DWR ID | DWR_RD2089_02_s_2012_10 | | | | |
| Comment Code | | | | | |
| C3 : Add appropriate gravel or road base. Grade and compact. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_10_20200228_00009.jpg



Depression in crown needs to be filled. 11/10/2011

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.50 | Rating ** | U | Issue No. | 62 |
| LM End | 0.65 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.810966 ° | 37.812634 ° |
| | | | | -121.414499 ° | -121.415510 ° |
| DWR ID | DWR_RD2089_02_s_2020_62 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_62_20200504_00072.jpg



View of overgrown vegetation on waterside slope. Spring 2020

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.50 | Rating ** | U | Issue No. | 39 |
| LM End | 0.68 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.810966 ° | 37.812912 ° |
| | | | | -121.414499 ° | -121.415013 ° |
| DWR ID | DWR_RD2089_02_s_2020_39 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_39_20200504_00071.jpg



View of overgrown vegetation on landside slope. Spring 2020

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Salmon Slough | Right | 1.35 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.50 | Rating ** | U | Issue No. | 54 |
| LM End | 0.50 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.810989 ° | 37.810989 ° |
| | | | | -121.414517 ° | -121.414517 ° |
| DWR ID | DWR_RD2089_02_f _ 2013_54 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_54_20200228_00056.jpg



View of the rodent burrow on the landside levee slope.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.52 | Rating ** | M | Issue No. | 14 |
| LM End | 0.52 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 37.811150 ° | 37.811150 ° |
| | | | | -121.414748 ° | -121.414748 ° |
| DWR ID | DWR_RD2089_02_s_2012_14 | | | | |
| Comment Code | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | |
| Inspector Comment | | | | | |
| Repair damage to slope caused by livestock. | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_14_20200504_00078.jpg

View of the approximately 1' scarp that has been created by livestock.
Spring 2020

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.52 | Rating ** | M | Issue No. | 63 |
| LM End | 0.52 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.811165 ° | 37.811165 ° |
| | | | | -121.414796 ° | -121.414796 ° |
| DWR ID | DWR_RD2089_02_s_2020_63 | | | | |
| Comment Code | | | | | |
| T3 : Trim and thin trees 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Salmon Slough | Right | 1.35 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.54 | Rating ** | M | Issue No. | 73 |
| 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 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 | 0.54 | Rating ** | M | Issue No. | 73 (cont) |
| LM End | 0.54 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_SP_2020_21676_36861.jpg



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

Photo 2 of 3 : UCIP_SP_2020_21676_36860.jpg



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

| | | | |
|--|--|---|---|
| * 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Salmon Slough | Right | 1.35 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.54 | Rating ** | M | Issue No. | 73 (cont) |
| 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 | | | | |

Photo 3 of 3 : UCIP_SP_2020_21676_36859.jpg



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

| | | | | | |
|--|---------------------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.54 | Rating ** | A/W | Issue No. | 35 |
| LM End | 0.54 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.811382 ° | 37.811382 ° |
| | | | | -121.415054 ° | -121.415054 ° |
| DWR ID | DWR_RD2089_02_f_2015_35 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_35_20200228_00030.jpg



View of the levee crown depression looking downstream.

| | | | | | |
|---|-----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.60 | Rating ** | M | Issue No. | 56 |
| LM End | 0.61 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 37.812000 ° | 37.812100 ° |
| | | | | -121.415700 ° | -121.415900 ° |
| DWR ID | LMA-413 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| 2017 Storm Damage Site, ID No:507, LMA-413. Vertical cut on outside bend of river | | | | | |

Photo 1 of 1 : LEVAL_SP_2020_507_4335.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 | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Salmon Slough | Right | 1.35 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.72 | Rating ** | M | Issue No. | 64 |
| LM End | 0.84 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.813399 ° | 37.814875 ° |
| | | | | -121.414633 ° | -121.414697 ° |
| DWR ID | DWR_RD2089_02_s_2020_64 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.72 | Rating ** | M | Issue No. | 65 |
| LM End | 0.84 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.813400 ° | 37.814875 ° |
| | | | | -121.414633 ° | -121.414697 ° |
| DWR ID | DWR_RD2089_02_s_2020_65 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.76 | Rating ** | C | Issue No. | 15 |
| LM End | 0.76 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 37.813934 ° | 37.813934 ° |
| | | | | -121.414320 ° | -121.414320 ° |
| DWR ID | DWR_RD2089_02_f_2014_15 | | | | |
| Comment Code | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | |
| 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Salmon Slough | Right | 1.35 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.83 | Rating ** | M | Issue No. | 21 |
| LM End | 0.83 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 37.814773 ° | 37.814773 ° |
| | | | | -121.414555 ° | -121.414555 ° |
| DWR ID | DWR_RD2089_02_s_2012_21 | | | | |
| Comment Code | | | | | |
| S2 : Repair the levee slope damaged by foot traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| Livestock have worn paths into levee slope. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.83 | Rating ** | M | Issue No. | 38 |
| LM End | 0.83 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.814844 ° | 37.814844 ° |
| | | | | -121.414566 ° | -121.414566 ° |
| DWR ID | DWR_RD2089_02_s_2012_38 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-------------------------------------|------------------------|--------------|----|------------------------|---------------|
| 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 | | | | | |
| There is a gate across levee crown. | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_9_20200228_00008.jpg



View of the fence gate across 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Salmon Slough | Right | 1.35 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.84 | Rating ** | U | Issue No. | 66 |
| LM End | 1.30 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.814875 ° | 37.819005 ° |
| | | | | -121.414697 ° | -121.419795 ° |
| DWR ID | DWR_RD2089_02_s_2020_66 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_66_20200504_00080.jpg



View of overgrown vegetation on landside slope. Spring 2020

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.84 | Rating ** | U | Issue No. | 67 |
| LM End | 1.30 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.814875 ° | 37.819007 ° |
| | | | | -121.414697 ° | -121.419794 ° |
| DWR ID | DWR_RD2089_02_s_2020_67 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_67_20200504_00082.jpg



View of overgrown vegetation on waterside slope. Spring 2020

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.84 | Rating ** | M | Issue No. | 25 |
| LM End | 0.84 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.814906 ° | 37.814906 ° |
| | | | | -121.414745 ° | -121.414745 ° |
| DWR ID | DWR_RD2089_02_s_2012_25 | | | | |
| 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Salmon Slough | Right | 1.35 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.84 | Rating ** | U | Issue No. | 36 |
| LM End | 1.30 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.814905 ° | 37.819007 ° |
| | | | | -121.414747 ° | -121.419792 ° |
| DWR ID | DWR_RD2089_02_s_2019_36 | | | | |
| Comment Code | | | | | |
| V9 : Keep the crown roadway free of vegetation. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_36_20200504_00081.jpg



View of overgrown vegetation on surface road. Spring 2020

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.84 | Rating ** | M | Issue No. | 42 |
| LM End | 0.84 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 37.814931 ° | 37.814931 ° |
| | | | | -121.414756 ° | -121.414756 ° |
| DWR ID | DWR_RD2089_02_f_2016_42 | | | | |
| Comment Code | | | | | |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| Ramp is encroaching into the levee slope. Add appropriate material to stabilize the slope. | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_42_20200228_00039.jpg



View of the ramp on the landside levee slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.85 | Rating ** | U | Issue No. | 40 |
| LM End | 0.91 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.814997 ° | 37.814903 ° |
| | | | | -121.414774 ° | -121.415887 ° |
| DWR ID | DWR_RD2089_02_s_2012_40 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_40_20200228_00037.jpg



View of the multiple rodent holes on the landside levee slope.

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Salmon Slough | Right | 1.35 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| 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 trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.99 | 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 | | | 37.815096 ° | 37.815337 ° |
| | | | | -121.417333 ° | -121.417745 ° |
| DWR ID | DWR_RD2089_02_s_2020_69 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.00 | Rating ** | U | Issue No. | 12 |
| LM End | 1.00 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.815182 ° | 37.815182 ° |
| | | | | -121.417439 ° | -121.417439 ° |
| DWR ID | DWR_RD2089_02_f_2014_12 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_12_20200228_00012.jpg



View of several rodent burrows on landside levee hinge and crown.

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Salmon Slough | Right | 1.35 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.04 | Rating ** | M | Issue No. | 70 |
| LM End | 1.04 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.815563 ° | 37.815563 ° |
| | | | | -121.418052 ° | -121.418052 ° |
| DWR ID | DWR_RD2089_02_s_2020_70 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| 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_2020_RD2089_317_29_20200228_00027.jpg



View of tree stump left after vegetation and tree removal.

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.08 | Rating ** | M | Issue No. | 45 |
| LM End | 1.12 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.815985 ° | 37.816460 ° |
| | | | | -121.418486 ° | -121.418928 ° |
| DWR ID | DWR_RD2089_02_f _ 2019_45 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Salmon Slough | Right | 1.35 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.08 | Rating ** | C | Issue No. | 17 |
| LM End | 1.08 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.816025 ° | 37.816025 ° |
| | | | | -121.418544 ° | -121.418544 ° |
| DWR ID | DWR_RD2089_02_s_2012_17 | | | | |
| Comment Code | | | | | |
| DE : Debris | | | | | |
| Inspector Comment | | | | | |
| Water tanks disposed of on levee are obstructive. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| 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 | 1.17 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.817069 ° | 37.817069 ° |
| | | | | -121.419274 ° | -121.419274 ° |
| DWR ID | DWR_RD2089_02_s_2020_71 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Salmon Slough | Right | 1.35 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.18 | Rating ** | M | Issue No. | 6 |
| LM End | 1.18 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.817271 ° | 37.817271 ° |
| | | | | -121.419380 ° | -121.419380 ° |
| DWR ID | DWR_RD2089_02_s_2014_6 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_6_20200228_00006.jpg



View of the large rodent hole on the landside levee slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.24 | Rating ** | U | Issue No. | 31 |
| LM End | 1.24 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.818051 ° | 37.818051 ° |
| | | | | -121.419743 ° | -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 ** | C | Issue No. | 37 |
| LM End | 1.24 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.818097 ° | 37.818097 ° |
| | | | | -121.419709 ° | -121.419709 ° |
| DWR ID | DWR_RD2089_02_s_2016_37 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Salmon Slough | Right | 1.35 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.24 | Rating ** | U | Issue No. | 28 |
| LM End | 1.24 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.818112 ° | 37.818112 ° |
| | | | | -121.419720 ° | -121.419720 ° |
| DWR ID | DWR_RD2089_02_f_2016_28 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_28_20200228_00026.jpg



View of the rodent burrow in the landside levee slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| 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 | | | | | |
| T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.25 | Rating ** | U | 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_2020_RD2089_317_23_20200228_00020.jpg



View of buildings and patio decks within 10-ft of the levee slope. Fall 2009

| | | | |
|--|--|---|---|
| * 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 |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Salmon Slough | Right | 1.35 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.26 | Rating ** | M | Issue No. | 33 |
| LM End | 1.26 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.818408 ° | 37.818408 ° |
| | | | | -121.419738 ° | -121.419738 ° |
| DWR ID | DWR_RD2089_02_f_2018_33 | | | | |
| Comment Code | | | | | |
| T4 : Trim trees over roadway to at least 12 feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_33_20200228_00028.jpg



Looking west at trees overhanging crown of levee. (Fall 2018)

| | | | | | |
|---------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.27 | Rating ** | M | Issue No. | 57 |
| LM End | 1.27 | Issue Type + | En | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.818499 ° | 37.818499 ° |
| | | | | -121.419754 ° | -121.419754 ° |
| DWR ID | DWR_RD2089_02_f_2013_57 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Remove cactus from levee crown. | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_57_20200228_00061.jpg



View of the cactus on the crown at the landside levee shoulder.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.29 | Rating ** | U | Issue No. | 19 |
| LM End | 1.29 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.818740 ° | 37.818740 ° |
| | | | | -121.419759 ° | -121.419759 ° |
| DWR ID | DWR_RD2089_02_f_2016_19 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_19_20200228_00019.jpg



View of the rodent burrow in the landside levee slope.

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Salmon Slough | Right | 1.35 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| 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

| | | | | | |
|-------------------|---------------------------|--------------|----|------------------------|---------------|
| 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_2020_RD2089_317_18_20200228_00018.jpg



View of the tree stump from the levee crown.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.30 | Rating ** | U | Issue No. | 16 |
| LM End | 1.30 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.818987 ° | 37.818987 ° |
| | | | | -121.419767 ° | -121.419767 ° |
| DWR ID | DWR_RD2089_02_s_2015_16 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_16_20200228_00016.jpg



View of the rodent burrow in the landside levee slope.

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2089 Stark

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Salmon Slough | Right | 1.35 | 04/06/2020 04/06/2020 | Alberto De Leon |

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.31 | Rating ** | M | Issue No. | 43 |
| LM End | 1.31 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.819036 ° | 37.819036 ° |
| | | | | -121.419763 ° | -121.419763 ° |
| DWR ID | DWR_RD2089_02_f _ 2019_43 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.33 | Rating ** | U | Issue No. | 11 |
| LM End | 1.33 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.819371 ° | 37.819371 ° |
| | | | | -121.419774 ° | -121.419774 ° |
| DWR ID | DWR_RD2089_02_f _ 2014_11 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2020_RD2089_317_11_20200228_00010.jpg



View of the multiple rodent burrows on the landside levee slope.

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

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

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