

**Flood Control Project Maintenance
Levee Inspections
Fall 2023 Levee Maintenance Deficiency Summary Report**

San Joaquin River Basin

| NA0013 | Overall LMA Rating | Total LMA Miles | | | | | | |
|---------------------------------------|------------------------|-----------------|--------------|-------------|-------------|---------|------------------------------|---------|
| Merced Streams Group | U | 6.31 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| <i>Earthen Levee</i> | | | | | | | | |
| Vegetation | 0.67 | 3.13 | 13.19 | 209.13% | 0.30 | | | |
| Trim / Thin Trees | 0.03 | | 0.03 | 0.48% | | | | |
| Encroachments | 0.02 | | 0.02 | 0.32% | 0.25 | 0.03 | | |
| Animal Control | 0.03 | | 0.03 | 0.48% | | | | |
| Erosion / Bank Caving | 0.01 | | 0.01 | 0.16% | | | | |
| Erosion / Rills | 0.02 | | 0.02 | 0.32% | | | | |
| Erosion / Vehicle Traffic | 0.01 | | 0.01 | 0.16% | | | | |
| Crown Surface / Depressions / Rutting | 0.23 | | 0.23 | 3.65% | | | | |
| Access Gates | | | | | | 0.02 | | |
| <i>Supplemental</i> | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.01 | | | |
| DWR UCIP LMA Responsibility | | | | | | | | |
| <i>LMA Totals:</i> | 1.02 | 3.13 | 13.54 | 214.68% | 0.56 | 0.05 | 0.00 | 0.00 |

| Unit No. 01 Black Rascal Diversion RB | Overall Unit Rating | Total Unit Miles | | | | | | |
|--|------------------------|------------------|--------------|-------------|-------------|---------|------------------------------|---------|
| NA0013 | U | 1.61 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| <i>Earthen Levee</i> | | | | | | | | |
| Vegetation | | 1.31 | 5.24 | 324.82% | | | | |
| Encroachments | 0.02 | | 0.02 | 1.24% | 0.12 | | | |
| Crown Surface / Depressions / Rutting | 0.06 | | 0.06 | 3.72% | | | | |
| Access Gates | | | | | | 0.01 | | |
| <i>Supplemental</i> | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.01 | | | |
| <i>Unit Totals:</i> | 0.08 | 1.31 | 5.32 | 329.78% | 0.13 | 0.01 | 0.00 | 0.00 |

| Unit No. 02 Black Rascal Diversion LB | Overall Unit Rating | Total Unit Miles | | | | | | |
|--|------------------------|------------------|--------------|-------------|-------------|---------|------------------------------|---------|
| NA0013 | U | 1.85 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| <i>Earthen Levee</i> | | | | | | | | |
| Vegetation | 0.03 | 1.49 | 5.99 | 323.88% | 0.30 | | | |
| Trim / Thin Trees | 0.02 | | 0.02 | 1.08% | | | | |
| Encroachments | | | | | | 0.03 | | |
| Erosion / Bank Caving | 0.01 | | 0.01 | 0.54% | | | | |
| Erosion / Rills | 0.02 | | 0.02 | 1.08% | | | | |
| Erosion / Vehicle Traffic | 0.01 | | 0.01 | 0.54% | | | | |
| Crown Surface / Depressions / Rutting | 0.04 | | 0.04 | 2.16% | | | | |
| Access Gates | | | | | | 0.01 | | |
| <i>Supplemental</i> | | | | | | | | |
| DWR UCIP LMA Responsibility | | | | | | | | |
| <i>Unit Totals:</i> | 0.13 | 1.49 | 6.09 | 329.29% | 0.30 | 0.04 | 0.00 | 0.00 |

**Flood Control Project Maintenance
Levee Inspections
Fall 2023 Levee Maintenance Deficiency Summary Report**

San Joaquin River Basin (cont.)

| Unit No. 03 Owens Creek Diversion RB | | Overall Unit Rating | Total Unit Miles | | | | | | |
|---------------------------------------|------------------------|---------------------|------------------|-------------|-------------|---------|------------------------------|---------|--|
| NA0013 | | U | 1.43 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles | |
| <i>Earthen Levee</i> | | | | | | | | | |
| Vegetation | 0.33 | 0.33 | 1.65 | 115.79% | | | | | |
| Trim / Thin Trees | 0.01 | | 0.01 | 0.70% | | | | | |
| Encroachments | | | | | 0.01 | | | | |
| Animal Control | 0.02 | | 0.02 | 1.40% | | | | | |
| Crown Surface / Depressions / Rutting | 0.01 | | 0.01 | 0.70% | | | | | |
| <i>Supplemental</i> | | | | | | | | | |
| DWR UCIP LMA Responsibility | | | | | | | | | |
| <i>Unit Totals:</i> | 0.37 | 0.33 | 1.69 | 118.59% | 0.01 | 0.00 | 0.00 | 0.00 | |

| Unit No. 04 Owens Creek Diversion LB | | Overall Unit Rating | Total Unit Miles | | | | | | |
|---------------------------------------|------------------------|---------------------|------------------|-------------|-------------|---------|------------------------------|---------|--|
| NA0013 | | U | 1.42 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles | |
| <i>Earthen Levee</i> | | | | | | | | | |
| Vegetation | 0.31 | | 0.31 | 21.84% | | | | | |
| Encroachments | | | | | 0.12 | | | | |
| Animal Control | 0.01 | | 0.01 | 0.70% | | | | | |
| Crown Surface / Depressions / Rutting | 0.12 | | 0.12 | 8.45% | | | | | |
| <i>Supplemental</i> | | | | | | | | | |
| DWR UCIP LMA Responsibility | | | | | | | | | |
| <i>Unit Totals:</i> | 0.44 | 0.00 | 0.44 | 31.00% | 0.12 | 0.00 | 0.00 | 0.00 | |

Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet

Merced Streams Group

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

** 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**

Merced Streams Group

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 01 Black Rascal Diversion | | | Right | 1.61 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | U | |
| Date of Inspection | | | 9/13/2023 - 9/13/2023 | |
| DWR Inspector | | | Corey Fujitani | |
| Accompanied By | | | Oscar Ortiz Merced County | |

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Black Rascal Diversion | Right | 1.61 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|---|----------------------------------|--------------|----|------------------------|-----|
| LM Start | | Rating ** | A | Issue No. | 4 |
| LM End | | Issue Type + | Ma | Location * | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Operations & Maintenance Manuals | | | | ° |
| | | | | | ° |
| DWR ID | DWR_NA0013_01_f_2016_4 | | | | |
| Comment Code | | | | | |
| OM : O&M Manuals | | | | | |
| Inspector Comment | | | | | |
| Merced County has a copy of the Operation and Maintenance Manual in their Office. | | | | | |

No Photos

| | | | | | |
|--|--------------------------------|--------------|----|------------------------|-----|
| LM Start | | Rating ** | A | Issue No. | 5 |
| LM End | | Issue Type + | Ma | Location * | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Emergency Supplies & Equipment | | | | ° |
| | | | | | ° |
| DWR ID | DWR_NA0013_01_f_2016_5 | | | | |
| Comment Code | | | | | |
| ES : Emergency Supplies & Equipment | | | | | |
| Inspector Comment | | | | | |
| Merced Streams Group has emergency supplies and equipment on hand. | | | | | |

No Photos

| | | | | | | | |
|--|-------------------------------|--------------|----|------------------------|---|-----|---|
| LM Start | | Rating ** | A | Issue No. | 6 | | |
| LM End | | Issue Type + | Ma | Location * | | | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | | |
| | | | | Start | | End | |
| Item | Flood Preparedness & Training | | | | o | | o |
| | | | | | o | | o |
| DWR ID | DWR_NA0013_01_f _ 2016_6 | | | | | | |
| Comment Code | | | | | | | |
| FP : Flood Preparedness & Training | | | | | | | |
| Inspector Comment | | | | | | | |
| Merced Streams Group are trained and prepared for Flood Fight. | | | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Black Rascal Diversion | Right | 1.61 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|--|------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.02 | Rating ** | U | Issue No. | 2 |
| LM End | 1.29 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.314873° | 37.332874° |
| | | | | -120.396383° | -120.394994° |
| DWR ID | DWR_NA0013_01_f_2023_2 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2023_NA0013_331_2_20231102_00009.jpg



View of vegetation on the waterside slope. (Fall 2023)

| | | | | | |
|--|---------------------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.27 | Rating ** | M | Issue No. | 10 |
| LM End | 0.30 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.318484° | 37.318994° |
| | | | | -120.396591° | -120.396619° |
| DWR ID | DWR_NA0013_01_f_2022_10 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2023_NA0013_331_10_20230821_00003.jpg



Tracks from vehicle traffic on the levee crown should be backfilled. (Fall 2022)

| | | | | | |
|--|------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.27 | Rating ** | M | Issue No. | 7 |
| LM End | 0.38 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.318502° | 37.320094° |
| | | | | -120.396583° | -120.396606° |
| DWR ID | DWR_NA0013_01_s_2021_7 | | | | |
| Comment Code | | | | | |
| DE : Debris | | | | | |
| Inspector Comment | | | | | |
| MID is dumping dredgings from irrigation canal on landside onto waterside slope. | | | | | |

Photo 1 of 1 : FA_2023_NA0013_331_7_20230821_00002.jpg



Dredgings have been leveled but still left within the channel. (Fall 2021)

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Black Rascal Diversion | Right | 1.61 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|-------------------|------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.40 | Rating ** | M | Issue No. | 9 |
| LM End | 0.40 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.320359° | 37.320359° |
| | | | | -120.396612° | -120.396612° |
| DWR ID | DWR_NA0013_01_f_2023_9 | | | | |
| Comment Code | | | | | |
| GA : Garbage | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2023_NA0013_331_9_20230925_00008.jpg



View of garbage left on the waterside shoulder. (Fall 2023)

| | | | | | |
|--|---------------------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.43 | Rating ** | M | Issue No. | 8 |
| LM End | 0.45 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.320841° | 37.321090° |
| | | | | -120.396611° | -120.396609° |
| DWR ID | DWR_NA0013_01_s_2022_8 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.49 | Rating ** | M | Issue No. | 11 |
| LM End | 0.49 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.321732° | 37.321732° |
| | | | | -120.396637° | -120.396637° |
| DWR ID | DWR_NA0013_01_f_2023_11 | | | | |
| Comment Code | | | | | |
| GA : Garbage | | | | | |
| 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Black Rascal Diversion | Right | 1.61 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|-------------------------------------|--------------------------|--------------|-----|------------------------|--------------|
| LM Start | 0.75 | Rating ** | A/W | Issue No. | 14 |
| LM End | 0.75 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 37.325485° | 37.325485° |
| | | | | -120.396700° | -120.396700° |
| DWR ID | DWR_NA0013_01_s_ 2019_14 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2023_NA0013_331_14_20230821_00005.jpg



View of erosion on landside slope. (Spring 2019)

| | | | | | |
|--|--------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.25 | Rating ** | U | Issue No. | 13 |
| LM End | 1.25 | Issue Type + | En | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Access Gates | | | 37.332201° | 37.332201° |
| | | | | -120.394723° | -120.394723° |
| DWR ID | DWR_NA0013_01_f_ 2023_13 | | | | |
| Comment Code | | | | | |
| AG : Access Gates | | | | | |
| Inspector Comment | | | | | |
| Gate placed across levee crown. LMA is attempting to acquire a key or place their own lock in the daisy-chain. | | | | | |

Photo 1 of 1 : FA_2023_NA0013_331_13_20230925_00007.jpg



View of new gate placed across levee crown. LMA does not currently have a key. (Fall 2023)

| | | | | | |
|---|--------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.27 | Rating ** | M | Issue No. | 18 |
| LM End | 1.27 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.332554° | 37.332554° |
| | | | | -120.394767° | -120.394767° |
| DWR ID | DWR_NA0013_01_s_ 2019_18 | | | | |
| Comment Code | | | | | |
| RA : Ramp | | | | | |
| Inspector Comment | | | | | |
| Ramp has been fenced off at waterside shoulder. | | | | | |

Photo 1 of 1 : FA_2023_NA0013_331_18_20230821_00006.jpg



View of ramp on waterside slope looking Northeast. (Spring 2020)

| | | | | | |
|--|--|---|--|---|--|
| * 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Black Rascal Diversion | Right | 1.61 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|--------------|
| LM Start | 1.29 | Rating ** | M | Issue No. | 19 |
| LM End | 1.29 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.332826° | 37.332826° |
| | | | | -120.394886° | -120.394886° |
| DWR ID | 23079 | | | | |

Comment Code

Inspector Comment

DS_ID:23079
FS_ID:74566
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue: 4b, Safety Issue
Crossing Status: Found
UCIP Comments: 04/13/2022 Record remains Non-Urgent. Overgrown vegetation limits inspection of levee at this crossing; recommend removing vegetation. Geophysical study indicates possible presence of pipe through levee. Cover on CMP riser is missing causing a safety hazard. Crossing appears abandoned. Owner needs to coordinate with the CVFPB to remove or abandon crossing according to Title 23 requirements. Coordinates have been updated from 37.332805, -120.394906 to 37.332826, -120.394886. (M.Thao - DWR UCIP) 09/17/2013 Verify Pipe is abandoned or still intact.- may be this crossing was abandoned/removed during recent levee reconstruction.- no signs of pipe and appurtenances on waterside.- only a CM pipe riser with slide gate found on landside. (DWR UCIP - P. Amatya)
FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation pipe through the levee, 10 feet below the crown. Riser on the landside (LS). Screw gate in a 48-inch pipe well on the waterside (WS) slope. Concrete headwall and cobble apron at the LS toe. Concrete headwall at the WS toe. [Additional Reference(s): USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.32), listed as 36-inch pipe].
FS Date: 4/13/2022

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.29 | Rating ** | M | Issue No. | 19 (cont) |
| LM End | 1.29 | Issue Type + | En | Location * | |

Photo 1 of 2 : UCIP_FA_2023_74566_111342.jpg



WS view: Looking from crown; slide gate in CMP riser. Dense vegetation.

Photo 2 of 2 : UCIP_FA_2023_74566_111343.jpg



WS view: Looking into CMP riser with slide gate; no cover on riser.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Black Rascal Diversion | Right | 1.61 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|--|---------------------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.34 | Rating ** | M | Issue No. | 12 |
| LM End | 1.34 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.333502° | 37.333502° |
| | | | | -120.395143° | -120.395143° |
| DWR ID | DWR_NA0013_01_f_2022_12 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2023_NA0013_331_12_20230821_00004.jpg



Depression in the levee crown should be backfilled. (Fall 2022)

| | | | | | |
|---|------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.57 | Rating ** | U | Issue No. | 3 |
| LM End | 1.61 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.336553° | 37.337109° |
| | | | | -120.396529° | -120.396519° |
| DWR ID | DWR_NA0013_01_f_2021_3 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Blackberry bushes should be removed from the waterside slope. | | | | | |

Photo 1 of 1 : FA_2023_NA0013_331_3_20230821_00001.jpg



View of blackberry bushes growing on the the waterside slope. (Fall 2021)

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

Merced Streams Group

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 02 Black Rascal Diversion | | | Left | 1.85 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | U | |
| Date of Inspection | | | 9/13/2023 - 9/13/2023 | |
| DWR Inspector | | | Corey Fujitani | |
| Accompanied By | | | Oscar Ortiz Merced County | |

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|--|------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.00 | Rating ** | U | Issue No. | 2 |
| LM End | 0.00 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.337034° | 37.337034° |
| | | | | -120.387422° | -120.387422° |
| DWR ID | DWR_NA0013_02_f_2012_2 | | | | |
| Comment Code | | | | | |
| PI : Pipe | | | | | |
| Inspector Comment | | | | | |
| There is no CVFPB permit on record for this issue. Merced County Flood Control is aware of this issue. | | | | | |

Photo 1 of 1 : FA_2023_NA0013_332_2_20230821_00001.jpg



Tank and filtration system installed on the landside easement. (Spring 2020)

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.01 | Rating ** | U | Issue No. | 11 |
| LM End | 0.01 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.337010° | 37.337010° |
| | | | | -120.387448° | -120.387448° |
| DWR ID | DWR_NA0013_02_s_2019_11 | | | | |
| Comment Code | | | | | |
| FW : Firewood | | | | | |
| Inspector Comment | | | | | |
| Landowner left wood and pipes on waterside slope. | | | | | |

Photo 1 of 1 : FA_2023_NA0013_332_11_20230821_00003.jpg



View of wood pile and pipes on waterside slope. (Spring 2019)

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.22 | Rating ** | M | Issue No. | 10 |
| LM End | 0.22 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.336284° | 37.336284° |
| | | | | -120.390694° | -120.390694° |
| DWR ID | DWR_NA0013_02_f_2021_10 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Blackberry bushes are beginning to grow on the waterside slope. | | | | | |

Photo 1 of 1 : FA_2023_NA0013_332_10_20230821_00002.jpg



Blackberry bushes are beginning to grow up the waterside slope and shoulder. (Fall 2021)

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|--------------|--|
| LM Start | 0.29 | Rating ** | U | Issue No. | 30 | |
| LM End | 0.29 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.336006° | 37.336006° | |
| | | | | -120.392011° | -120.392011° | |
| DWR ID | 23053 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:23053 FS_ID:77950 EP_NO: N/A Repair Type: Urgent EVAL Issue: 1, Pipe Integrity Crossing Status: Found UCIP Comments: 04/13/2022 Record updated from No Action Needed to Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than of equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. Overgrown vegetation limits inspection of levee at this crossing; recommend vegetation removal on LS and WS. (M.Thao - DWR UCIP) 08/23/2016: LS inlet is clear. WS gate has been cleared of vegetation and functions properly. Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)09/17/2013:- needs vegetation cleaning on both sides.- flap gate was not closed during field survey.- inlet needs cleaning. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble apron on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.29). USACE San Joaquin O&M Manual 607, June 1962, Revised March 1984, (HLM 0.29), listed as 24-inch pipe]. FS Date: 4/13/2022 | | | | | | |

Photo 1 of 2 : UCIP_FA_2023_77950_111356.jpg



LS view: Looking toward levee; headwall blocked by vegetation.

| | | | |
|--|--|---|---|
| * 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|------------------|
| LM Start | 0.29 | Rating ** | U | Issue No. | 30 (cont) |
| LM End | 0.29 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.336006° | 37.336006° |
| | | | | -120.392011° | -120.392011° |
| DWR ID | 23053 | | | | |

Photo 2 of 2 : UCIP_FA_2023_77950_111354.jpg



WS view: Looking at concrete headwall and flap gate (yellow arrow); dense vegetation blocking flap gate.

| | | | | | |
|--|---------------------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.30 | Rating ** | M | Issue No. | 14 |
| LM End | 0.30 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.335929° | 37.335929° |
| | | | | -120.392062° | -120.392062° |
| DWR ID | DWR_NA0013_02_f_2022_14 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| Repair low point at turn where there is UCIP on landside levee crown. Possibly due to vehicle traffic or water runoff. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.46 | Rating ** | M | Issue No. | 13 |
| LM End | 0.46 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.333706° | 37.333706° |
| | | | | -120.392952° | -120.392952° |
| DWR ID | DWR_NA0013_02_s_2022_13 | | | | |
| Comment Code | | | | | |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Tree sapling on the waterside slope should be removed before it is able to establish. | | | | | |

Photo 1 of 1 : FA_2023_NA0013_332_13_20230821_00005.jpg



Tree sapling on the waterside slope. (Spring 2022)

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|--------------|--|
| LM Start | 0.54 | Rating ** | M | Issue No. | 31 | |
| LM End | 0.54 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.333180° | 37.333180° | |
| | | | | -120.394069° | -120.394069° | |
| DWR ID | 23054 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:23054 FS_ID:77954 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 5, Pipe Damage Crossing Status: Found UCIP Comments: 04/13/2022 Record remains Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. Overgrown vegetation limites inspection of LS headwall and inlet; recommend vegetation removal. Flap gate was properly closed during inspection. (M.Thao - DWR UCIP) 09/17/2013 - needs vegetation cleaning on both sides.- flap gate was not properly closed during field survey.- inlet needs cleaning. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble apron on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.54). USACE San Joaquin O&M Manual 607, June 1962, Revised March 1984, (HLM 0.54), listed as 24-inch pipe]. FS Date: 4/13/2022 | | | | | | |

Photo 1 of 1 : UCIP_FA_2023_77954_111367.jpg



LS view: Headwall and pipe inlet blocked by dense vegetation.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.54 | Rating ** | M | Issue No. | 12 |
| LM End | 0.54 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.333152° | 37.333152° |
| | | | | -120.394099° | -120.394099° |
| DWR ID | DWR_NA0013_02_f_2021_12 | | | | |
| Comment Code | | | | | |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Sapling should be removed before it can establish. | | | | | |

Photo 1 of 1 : FA_2023_NA0013_332_12_20230821_00004.jpg



Sapling growing in the waterside shoulder. (Fall 2021)

| | | | |
|--|--|---|---|
| * 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.61 | Rating ** | U | Issue No. | 18 |
| LM End | 0.61 | Issue Type + | En | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Access Gates | | | 37.332196° | 37.332196° |
| | | | | -120.394131° | -120.394131° |
| DWR ID | DWR_NA0013_02_f_2023_18 | | | | |
| Comment Code | | | | | |
| AG : Access Gates | | | | | |
| Inspector Comment | | | | | |
| LMA lock has been taken out of the daisy-chain. | | | | | |

Photo 1 of 1 : FA_2023_NA0013_332_18_20230925_00015.jpg



View of gate with LMA left out of the daisy chain. (Fall 2023)

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.62 | Rating ** | U | Issue No. | 23 |
| LM End | 1.84 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.331959° | 37.314767° |
| | | | | -120.394154° | -120.395825° |
| DWR ID | DWR_NA0013_02_f_2023_23 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2023_NA0013_332_23_20230925_00017.jpg



View of vegetation on the waterside slope looking downstream. (Fall 2023)

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.62 | Rating ** | U | Issue No. | 19 |
| LM End | 0.89 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.331960° | 37.328430° |
| | | | | -120.394151° | -120.396085° |
| DWR ID | DWR_NA0013_02_f_2023_19 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2023_NA0013_332_19_20230925_00016.jpg



View of vegetation on the landside slope. (Fall 2023)

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|-----|------------------------|--------------|--|
| LM Start | 0.74 | Rating ** | A/W | Issue No. | 32 | |
| LM End | 0.74 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.330525° | 37.330525° | |
| | | | | -120.395132° | -120.395132° | |
| DWR ID | 23055 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:23055 FS_ID:77955 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: 09/18/2023 Record updated from Non-Urgent to No Action Needed. Pipe was CIPP lined. DMP internal video inspection has found none or minor pipe defects. Recommend next video inspection in 5 years. (O. Yakimov - DWR UCIP) 04/13/2022 Record remains Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. Pipe and apron has been been cleared of mud and debris since the last inspection. (M.Thao - DWR UCIP) 09/17/2013 - mud and debris from recent channel cleaning needs to be removed from spillway and outlet - pipe filled with debris, it needs cleaning.- half of intet pipe burried. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble apron on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.73). USACE San Joaquin O&M Manual 607, June 1962, Revised March 1984, (HLM 0.73), listed as 24-inch pipe]. FS Date: 4/13/2022 | | | | | | |

Photo 1 of 2 : UCIP_FA_2023_77955_111386.jpg



LS view: Concrete headwall and pipe inlet at 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|------------------|
| LM Start | 0.74 | Rating ** | A/W | Issue No. | 32 (cont) |
| LM End | 0.74 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.330525° | 37.330525° |
| | | | | -120.395132° | -120.395132° |
| DWR ID | 23055 | | | | |

Photo 2 of 2 : UCIP_FA_2023_77955_111388.jpg



WS view: Concrete headwall and flap gate on toe.

| | | | | | |
|--|---------------------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.74 | Rating ** | M | Issue No. | 17 |
| LM End | 0.74 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.330443° | 37.330443° |
| | | | | -120.395181° | -120.395181° |
| DWR ID | DWR_NA0013_02_f_2021_17 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2023_NA0013_332_17_20230821_00008.jpg



Depressions in the levee crown from vehicle traffic. (Spring 2022)

| | | | | | |
|---|---------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.75 | Rating ** | M | Issue No. | 22 |
| LM End | 0.75 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Vehicle Traffic | | | 37.330340° | 37.330340° |
| | | | | -120.395288° | -120.395288° |
| DWR ID | DWR_NA0013_02_f_2018_22 | | | | |
| Comment Code | | | | | |
| E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| There is a vehicle track on the landside slope. | | | | | |

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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|--|---------------------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.78 | Rating ** | M | Issue No. | 27 |
| LM End | 0.80 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.329952° | 37.329789° |
| | | | | -120.395588° | -120.395720° |
| DWR ID | DWR_NA0013_02_s_2020_27 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2023_NA0013_332_27_20230821_00012.jpg



View of depressions in the levee crown from vehicle traffic. (Fall 2021)

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.88 | Rating ** | U | Issue No. | 24 |
| LM End | 0.88 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.328567° | 37.328567° |
| | | | | -120.396062° | -120.396062° |
| DWR ID | DWR_NA0013_02_s_2014_24 | | | | |
| Comment Code | | | | | |
| CR : Crops | | | | | |
| Inspector Comment | | | | | |
| Three fruit trees with irrigation system, two stock piles of material, and a rock pad are placed on landside toe. Discovered during the fall 2014 inspection was a structure had been installed on the landward levee slope and berm. There are no permits for these encroachments. | | | | | |

Photo 1 of 1 : FA_2023_NA0013_332_24_20230821_00011.jpg



Unauthorized patio and fruit trees installed on the landside slope. (Fall 2021)

| | | | | | |
|--|--|---|--|---|--|
| * 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|-----|------------------------|--------------|--|
| LM Start | 0.90 | Rating ** | A/W | Issue No. | 33 | |
| LM End | 0.90 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.328283° | 37.328283° | |
| | | | | -120.396074° | -120.396074° | |
| DWR ID | 23056 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:23056 FS_ID:77956 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: 12/20/2022 Record updated from Urgent to No Action Needed. Pipe has been CIPP lined. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP) 04/13/2022 Record remains Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. (M.Thao - DWR UCIP) 04/13/2022 Record remains Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. (M.Thao - DWR UCIP) 09/17/2013 - working during field inspection.- vegetation on drainage ditch/channel (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 1 of 2: 60-inch CIPP-lined corrugated metal drainage culvert through the levee, 10 feet below the crown. Concrete headwall and flap gate on the waterside (WS) berm, 5 feet from the levee toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.91). USACE San Joaquin O&M Manual 607, June 1962, Revised March 1984, (HLM 0.91), listed as 60-inch pipe]. FS Date: 4/13/2022 11:16:23 AM | | | | | | |

Photo 1 of 2 : UCIP_FA_2023_77956_111398.jpg



LS view: Concrete headwall and pipe inlet.

| | | | |
|--|---|--|--|
| * 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|--------------|------------------|
| LM Start | 0.90 | Rating ** | A/W | Issue No. | 33 (cont) |
| LM End | 0.90 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.328283° | 37.328283° | |
| | | | -120.396074° | -120.396074° | |
| DWR ID | 23056 | | | | |

Photo 2 of 2 : UCIP_FA_2023_77956_111395.jpg



WS view: Concrete headwall, apron, and flap gate on channel bank.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 0.91 | Rating ** | A/W | Issue No. | 34 |
| LM End | 0.91 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.328267° | 37.328267° | |
| | | | -120.396084° | -120.396084° | |
| DWR ID | 23080 | | | | |

Comment Code

Inspector Comment

DS_ID:23080
 FS_ID:77957
 EP_NO: N/A
 Repair Type: No Action Needed
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 12/20/2022 Record updated from Urgent to No Action Needed. Pipe has been CIPP lined. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP)
 04/13/2022 Record remains Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater or equal to 5 and less than 6. Crossing will be monitored until funding becomes available to address the issues. (M.Thao - DWR UCIP)
 09/17/2013 It was working during field inspection. Dense vegetation in drainage ditch (DWR UCIP - P. Amatya).
 FIELD_STRUCT_DESC: 2 of 2: 60-inch CIPP-lined corrugated metal drainage culvert through the levee, 10 feet below the crown. Concrete headwall and flap gate on the waterside (WS) berm, 5 feet from the levee toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.91). USACE San Joaquin O&M Manual 607, June 1962, Revised March 1984, (HLM 0.91), listed as 60-inch pipe].
 FS Date: 4/13/2022 11:19:19 AM

Photo 1 of 2 : UCIP_FA_2023_77957_111404.jpg



LS view: Concrete headwall and pipe inlet.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|--------------|------------------|
| LM Start | 0.91 | Rating ** | A/W | Issue No. | 34 (cont) |
| LM End | 0.91 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.328267° | 37.328267° | |
| | | | -120.396084° | -120.396084° | |
| DWR ID | 23080 | | | | |

Photo 2 of 2 : UCIP_FA_2023_77957_111405.jpg



WS view: Concrete headwall, apron, and flap gate on channel bank.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.97 | Rating ** | M | Issue No. | 15 |
| LM End | 0.97 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Rills | | | 37.327336° | 37.327336° |
| | | | | -120.396085° | -120.396085° |
| DWR ID | DWR_NA0013_02_f_2017_15 | | | | |
| Comment Code | | | | | |
| E5 : Schedule repair of rills prior to the next inspection. | | | | | |
| Inspector Comment | | | | | |
| There is large finger erosion on the landward slope. Couple of smaller erosion sites are starting just downstream of the larger erosion. | | | | | |

Photo 1 of 1 : FA_2023_NA0013_332_15_20230821_00006.jpg



Looking at finger erosion on the landside slope. (Spring 2020)

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.10 | Rating ** | M | Issue No. | 16 |
| LM End | 1.10 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Rills | | | 37.325487° | 37.325487° |
| | | | | -120.396052° | -120.396052° |
| DWR ID | DWR_NA0013_02_s_2017_16 | | | | |
| Comment Code | | | | | |
| E5 : Schedule repair of rills prior to the next inspection. | | | | | |
| Inspector Comment | | | | | |
| Large finger erosion is located on the landside slope. | | | | | |

Photo 1 of 1 : FA_2023_NA0013_332_16_20230821_00007.jpg



View of large finger erosion in landside slope. (Fall 2018)

| | | | | | |
|--|--|---|--|---|--|
| * 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.29 | Rating ** | M | Issue No. | 28 |
| LM End | 1.29 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 37.322752° | 37.322752° |
| | | | | -120.396030° | -120.396030° |
| DWR ID | DWR_NA0013_02_s_2020_28 | | | | |
| Comment Code | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2023_NA0013_332_28_20230821_00013.jpg



View of erosion pocket in the landside slope and toe. (Fall 2020)

| | | | | | | |
|--|-----------------------------|--------------|-----|------------------------|--------------|--|
| LM Start | 1.30 | Rating ** | A/W | Issue No. | 35 | |
| LM End | 1.30 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.322499° | 37.322499° | |
| | | | | -120.396045° | -120.396045° | |
| DWR ID | 23057 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:23057 FS_ID:77958 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: 09/18/2023 Record updated from Non-Urgent to No Action Needed. Pipe was CIPP lined. DMP internal video inspection has found none or minor pipe defects. Recommend next video inspection in 5 years. (O. Yakimov - DWR UCIP) 04/13/2022 Record updated from No Action Needed to Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. Some damage has occurred to the LS concrete headwall since the last inspection. (M.Thao - DWR UCIP) 09/17/2013 - working during field inspection. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble apron on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.32). USACE San Joaquin O&M Manual 607, June 1962, Revised March 1984, (HLM 1.32), listed as 24-inch pipe]. FS Date: 4/13/2022 | | | | | | |

Photo 1 of 3 : UCIP_FA_2023_77958_111414.jpg



LS view: Inlet at toe; concrete headwall damaged since last inspection.

| | | | |
|--|--|---|---|
| * 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|--------------|------------------|
| LM Start | 1.30 | Rating ** | A/W | Issue No. | 35 (cont) |
| LM End | 1.30 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.322499° | 37.322499° | |
| | | | -120.396045° | -120.396045° | |
| DWR ID | 23057 | | | | |

Photo 2 of 3 : UCIP_FA_2023_77958_111411.jpg



WS view: Concrete headwall, apron, and flap gate on toe.

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 1.30 | Rating ** | A/W | Issue No. | 35 (cont) |
| LM End | 1.30 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2023_77958_111421.jpg



WS view: Inside view of pipe outlet; looks clean and clear.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.31 | Rating ** | M | Issue No. | 21 |
| LM End | 1.61 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.322423° | 37.318084° |
| | | | | -120.396027° | -120.395720° |
| DWR ID | DWR_NA0013_02_s_2022_21 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Landowner has planted shrubs or trees on the landside slope spaced approximately 10 feet apart along this section of the levee. An irrigation line also runs along the levee. These should be relocated outside the levee easement. | | | | | |

Photo 1 of 1 : FA_2023_NA0013_332_21_20230821_00010.jpg



View of shrubs intermittently planted on the landside slope. (Spring 2022)

| | | | |
|--|--|--|---|
| * 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|-----|------------------------|--------------|--|
| LM Start | 1.62 | Rating ** | A/W | Issue No. | 36 | |
| LM End | 1.62 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.318015° | 37.318015° | |
| | | | | -120.395738° | -120.395738° | |
| DWR ID | 23058 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:23058 FS_ID:77959 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: 09/18/2023 Record updated from Non-Urgent to No Action Needed. Pipe was CIPP lined. DMP internal video inspection has found none or minor pipe defects. Recommend next video inspection in 5 years. (O. Yakimov - DWR UCIP) 04/13/2022 Record remains Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. Debris has deposited at the end of WS apron not allowing water to drainage properly; recommend removing debris. Pipe inlet on LS has been cleared since the last inspection. (M.Thao - DWR UCIP) 09/17/2013 - needs cleaning of debris on spillway on WS. Flapgate blocked by debris on WS. - needs cleaning inside CMP on LS. (DWR UCIP - P. Amatya) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble apron on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.64). USACE San Joaquin O&M Manual 607, June 1962, Revised March 1984, (HLM 1.64), listed as 24-inch pipe]. FS Date: 4/13/2022 | | | | | | |

Photo 1 of 2 : UCIP_FA_2023_77959_111432.jpg



LS view: Looking toward levee; concrete headwall and pipe inlet.

| | | | |
|--|---|--|--|
| * 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|--------------|------------------|
| LM Start | 1.62 | Rating ** | A/W | Issue No. | 36 (cont) |
| LM End | 1.62 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.318015° | 37.318015° | |
| | | | -120.395738° | -120.395738° | |
| DWR ID | 23058 | | | | |

Photo 2 of 2 : UCIP_FA_2023_77959_111434.jpg



WS view: Concrete headwall, apron, and flap gate on toe; debris deposited at end of apron (bottom) not allowing water to drain properly.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.62 | Rating ** | M | Issue No. | 29 |
| LM End | 1.64 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.318001° | 37.317618° |
| | | | | -120.395727° | -120.395754° |
| DWR ID | DWR_NA0013_02_s_2022_29 | | | | |
| Comment Code | | | | | |
| V3 : Keep the crown roadway free of vegetation. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2023_NA0013_332_29_20230925_00018.jpg



View of annual vegetation growing along the levee crown. (Fall 2023)

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|--------------|
| LM Start | 1.67 | Rating ** | A/W | Issue No. | 20 |
| LM End | 1.82 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.317158° | 37.315007° |
| | | | | -120.395761° | -120.395816° |
| DWR ID | DWR_NA0013_02_f_2021_20 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several mole holes observed in this section. Continue to monitor in case issue worsens. | | | | | |

Photo 1 of 1 : FA_2023_NA0013_332_20_20230821_00009.jpg



View of rodent burrows in the landside slope. (Fall 2021)

| | | | | | |
|-------------------|----------------------|--------------------------|---|-----------------------------------|--|
| * 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 - Fall 2023****Merced Streams Group**

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Black Rascal Diversion | Left | 1.85 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | |
|--|---|--|
| * 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
Unit Cover Sheet**

Merced Streams Group

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 03 Owens Creek Diversion | | | Right | 1.43 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | U | |
| Date of Inspection | | | 9/13/2023 - 9/13/2023 | |
| DWR Inspector | | | Corey Fujitani | |
| Accompanied By | | | Oscar Ortiz Merced County | |

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.00 | Rating ** | U | Issue No. | 10 |
| LM End | 0.33 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.257654° | 37.262423° |
| | | | | -120.288501° | -120.288364° |
| DWR ID | DWR_NA0013_03_f_2023_10 | | | | |
| Comment Code | | | | | |
| V3 : Keep the crown roadway free of vegetation. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2023_NA0013_333_10_20230925_00005.jpg



View of vegetation growing along the levee crown. (Fall 2023)

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.00 | Rating ** | M | Issue No. | 15 |
| LM End | 0.33 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.257654° | 37.262425° |
| | | | | -120.288501° | -120.288365° |
| DWR ID | DWR_NA0013_03_f_2023_15 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2023_NA0013_333_15_20230925_00006.jpg



Looking downstream along the landside slope. (Fall 2023)

| | | | | | |
|--|---------------------------------------|--------------|-----|------------------------|--------------|
| LM Start | 0.02 | Rating ** | A/W | Issue No. | 14 |
| LM End | 0.31 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.257878° | 37.262092° |
| | | | | -120.288391° | -120.288508° |
| DWR ID | DWR_NA0013_03_f_2022_14 | | | | |
| Comment Code | | | | | |
| C3 : Add appropriate gravel or road base. Grade and compact. | | | | | |
| Inspector Comment | | | | | |
| Monitor this section to avoid future issue. | | | | | |

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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|--------------|
| LM Start | 0.19 | Rating ** | A/W | Issue No. | 17 |
| LM End | 0.19 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.260355° | 37.260355° |
| | | | | -120.288517° | -120.288517° |
| DWR ID | 23060 | | | | |

Comment Code

Inspector Comment

DS_ID:23060
FS_ID:77927
EP_NO: N/A
Repair Type: No Action Needed
EVAL Issue:
Crossing Status: Found
UCIP Comments: 12/20/2022 Record updated from Urgent to No Action Needed. Pipe has been CIPP lined. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (O.Yakimov - DWR UCIP)
04/13/2022 Record remains Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. Pipe inlet on LS has been cleared since last inspection as well as vegetation on LS and WS. (M.Thao - DWR UCIP)
09/17/2013 - more than a half of inlet pipe buried on LS. - needs vegetation cleaning on both sides.- inlet needs silt removed and cleaning. (DWR UCIP - P. Amatya)
FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe.
[Additional Reference(s): DWR Levee Log, 2005 (HLM 0.20). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.18), listed as 24-inch pipe].
FS Date: 4/13/2022 11:22:24 AM

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.19 | Rating ** | A/W | Issue No. | 17 (cont) |
| LM End | 0.19 | Issue Type + | Ma | Location * | |

Photo 1 of 2 : UCIP_FA_2023_77927_111450.jpg



LS view: Concrete headwall and pipe inlet at toe.

Photo 2 of 2 : UCIP_FA_2023_77927_111453.jpg



WS view: Close-up view of flap gate.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|--------------------|---------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.27 | Rating ** | M | Issue No. | 11 |
| LM End | 0.27 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.261495° | 37.261495° |
| | | | | -120.288542° | -120.288542° |
| DWR ID | DWR_NA0013_03_f _ 2022_11 | | | | |
| Comment Code | | | | | |
| T2 : Tree or limb. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2023_NA0013_333_11_20230821_00002.jpg



Fallen tree on the landside toe should be removed. (Fall 2022)

| | | | |
|--|--|---|---|
| * 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|--|-----------------------------|--------------|-----|------------------------|--------------|
| LM Start | 0.39 | Rating ** | A/W | Issue No. | 18 |
| LM End | 0.39 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.263182° | 37.263182° |
| | | | | -120.288239° | -120.288239° |
| DWR ID | 23061 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:23061 FS_ID:74601 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: 09/18/2023 Record updated from Non-Urgent to No Action Needed. Pipe was CIPP lined. DMP internal video inspection has found none or minor pipe defects. Recommend next video inspection in 5 years. (O. Yakimov - DWR UCIP) 04/14/2022 Record updated from No Action Needed to Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. Vegetation was blocking pipe inlet on LS; recommend removing vegetation. (M.Thao - DWR UCIP) 09/01/2016: Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)09/01/2016: Not abandoned. LS and WS cleared. Gate swings free. Photos uploaded. (M. Walejko - NA0013)08/23/2016: Same as last inspection. (K. Fazel - UCIP)09/17/2013:Appears to be abandoned. Flapgate blocked by debris.- debris blocked inlet pipe on LS.- Needs to be cleared on both sides or it needs to be abandoned properly. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.39). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.39), listed as 24-inch pipe]. FS Date: 4/14/2022 | | | | | |

Photo 1 of 2 : UCIP_FA_2023_74601_111459.jpg



LS view: Concrete headwall; vegetation blocking pipe inlet.

| | | | |
|--|---|--|--|
| * 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|--------------|------------------|
| LM Start | 0.39 | Rating ** | A/W | Issue No. | 18 (cont) |
| LM End | 0.39 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.263182° | 37.263182° | |
| | | | -120.288239° | -120.288239° | |
| DWR ID | 23061 | | | | |

Photo 2 of 2 : UCIP_FA_2023_74601_111461.jpg



WS view: Close-up view of concrete headwall and flap gate.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 0.58 | Rating ** | A/W | Issue No. | 19 |
| LM End | 0.58 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.265894° | 37.265894° | |
| | | | -120.288295° | -120.288295° | |
| DWR ID | 23062 | | | | |

Comment Code

Inspector Comment

DS_ID:23062
 FS_ID:74603
 EP_NO: N/A
 Repair Type: No Action Needed
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/14/2022 Record remains No Action Needed. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. No issues observed during inspection. (M.Thao - DWR UCIP) 09/29/2016: LS and WS ends have been cleared by Mike Walejko of NA0013. Crossing has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)09/2013:- needs clearing and cleaning on inlet and outlet. (P. Amatya - UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7.5 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.59). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.59), listed as 24-inch pipe].
 FS Date: 4/14/2022

Photo 1 of 3 : UCIP_FA_2023_74603_111463.jpg



Levee crown looking upstream.

| | | | |
|---|---|---|--|
| * Location LS: Land Side 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|--------------|------------------|
| LM Start | 0.58 | Rating ** | A/W | Issue No. | 19 (cont) |
| LM End | 0.58 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.265894° | 37.265894° | |
| | | | -120.288295° | -120.288295° | |
| DWR ID | 23062 | | | | |

Photo 2 of 3 : UCIP_FA_2023_74603_111464.jpg



LS view: Looking from crown; backside of concrete headwall on toe.

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.58 | Rating ** | A/W | Issue No. | 19 (cont) |
| LM End | 0.58 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2023_74603_111465.jpg



LS view: Concrete headwall and pipe inlet on 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|--------------|
| LM Start | 0.79 | Rating ** | A/W | Issue No. | 20 |
| LM End | 0.79 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.268420° | 37.268420° |
| | | | | -120.286231° | -120.286231° |
| DWR ID | 23063 | | | | |

Comment Code

Inspector Comment

DS_ID:23063
FS_ID:74604
EP_NO: N/A
Repair Type: No Action Needed
EVAL Issue:
Crossing Status: Found
UCIP Comments: 09/18/2023 Record updated from Non-Urgent to No Action Needed. Pipe was CIPP lined. DMP internal video inspection has found none or minor pipe defects. Recommend next video inspection in 5 years. (O. Yakimov - DWR UCIP)
04/14/2022 Record updated from No Action Needed to Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. (M.Thao - DWR UCIP)
09/2016: LS and WS ends have been cleared by NA0013 and crossing has been downgraded to No Action Needed. (K. Fazel - UCIP)09/2013: Needs vegetation clearing on WS. (P. Amatya - UCIP)
FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal gravity drainage pipe through the levee, 6.5 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe.
[Additional Reference(s): DWR Levee Log, 2005 (HLM 0.80). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.80), listed as 24-inch pipe].
FS Date: 4/14/2022

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.79 | Rating ** | A/W | Issue No. | 20 (cont) |
| LM End | 0.79 | Issue Type + | Ma | Location * | |

Photo 1 of 2 : UCIP_FA_2023_74604_111470.jpg



LS view: Concrete headwall and pipe inlet on toe.

Photo 2 of 2 : UCIP_FA_2023_74604_111467.jpg



WS view: Concrete headwall, spillway, and flap gate on 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|---|---------------------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.98 | Rating ** | M | Issue No. | 9 |
| LM End | 0.99 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.270632° | 37.270874° |
| | | | | -120.284356° | -120.284058° |
| DWR ID | DWR_NA0013_03_f_2017_9 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| Previously repaired rutting has settled and depression in crown should be brought to level. | | | | | |

Photo 1 of 1 : FA_2023_NA0013_333_9_20230821_00001.jpg



View of depression on landside slope and levee crown. (Spring 2021)

| | | | | | |
|--|-----------------------------|--------------|-----|------------------------|--------------|
| LM Start | 1.02 | Rating ** | A/W | Issue No. | 21 |
| LM End | 1.02 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.271111° | 37.271111° |
| | | | | -120.283786° | -120.283786° |
| DWR ID | 23064 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:23064 | | | | | |
| FS_ID:74606 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: No Action Needed | | | | | |
| EVAL Issue: | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: 04/14/2022 Record updated from Non-Urgent to No Action Needed. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. No issues observed during inspection. (M.Thao - DWR UCIP) | | | | | |
| 09/29/2016: WS outlet has been cleared by NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS. (K. Fazel - UCIP)09/2013:- vegetations need to be removed from spillway and outlet at flapgate (blocked). It needs clearing.- more than half of intet pipe was burried in inlet. It needs cleaning & clearing. (P. Amatya - UCIP) | | | | | |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.04). USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.04), listed as 24-inch pipe]. | | | | | |
| FS Date: 4/14/2022 | | | | | |

Photo 1 of 3 : UCIP_FA_2023_74606_111473.jpg



Levee crown looking upstream.

| | | | |
|--|--|---|---|
| * 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|--------------|------------------|
| LM Start | 1.02 | Rating ** | A/W | Issue No. | 21 (cont) |
| LM End | 1.02 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.271111° | 37.271111° | |
| | | | -120.283786° | -120.283786° | |
| DWR ID | 23064 | | | | |

Photo 2 of 3 : UCIP_FA_2023_74606_111474.jpg



LS view: Looking from crown; general overview.

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 1.02 | Rating ** | A/W | Issue No. | 21 (cont) |
| LM End | 1.02 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2023_74606_111475.jpg



LS view: Concrete headwall and pipe inlet on 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|----|--------------|
| LM Start | 1.15 | Rating ** | M | Issue No. | 22 | |
| LM End | 1.15 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.272193° | | 37.272193° |
| | | | | -120.281805° | | -120.281805° |
| DWR ID | 23065 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:23065 FS_ID:74609 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 11, Maintenance Compliance Issue Crossing Status: Found UCIP Comments: 04/14/2022 Record remains Non-Urgent. Spillway on WS is clear of mud and debris. Pipe inlet on LS is partially filled with sediment; recommend removing sediment. (M.Thao - DWR UCIP) 09/17/2013 - mud and debris from recent channel cleaning needs to be removed from spillway and outlet - inlet pipe needs clearing and cleaning on landside (DWR UCIP - P. Amatya). FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.17). USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.17), listed as 24-inch pipe]. FS Date: 4/14/2022 | | | | | | |

Photo 1 of 1 : UCIP_FA_2023_74609_111479.jpg



LS view: Close-up view of pipe inlet; pipe partially filled with sediment.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.20 | Rating ** | M | Issue No. | 16 |
| LM End | 1.20 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.272498° | 37.272498° |
| | | | | -120.281000° | -120.281000° |
| DWR ID | DWR_NA0013_03_f_2023_16 | | | | |
| Comment Code | | | | | |
| MA : Material | | | | | |
| Inspector Comment | | | | | |
| Landowner has piled up material along the landside toe. Recommend working with the owner to move the material at least 10 feet away from the toe. | | | | | |

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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.21 | Rating ** | M | Issue No. | 12 |
| LM End | 1.21 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.272548° | 37.272548° |
| | | | | -120.280812° | -120.280812° |
| DWR ID | DWR_NA0013_03_f_2021_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 : FA_2023_NA0013_333_12_20230821_00003.jpg



View of rodent activity on the waterside slope. (Fall 2021)

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.21 | Rating ** | M | Issue No. | 13 |
| LM End | 1.21 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.272555° | 37.272555° |
| | | | | -120.280760° | -120.280760° |
| DWR ID | DWR_NA0013_03_f_2021_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 : FA_2023_NA0013_333_13_20230821_00004.jpg



Rodent holes observed on the landside slope. (Fall 2021)

| | | | |
|--|--|---|---|
| * 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|--------------|
| LM Start | 1.27 | Rating ** | A/W | Issue No. | 23 |
| LM End | 1.27 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.273082° | 37.273082° |
| | | | | -120.280288° | -120.280288° |
| DWR ID | 23066 | | | | |

Comment Code

Inspector Comment

DS_ID:23066
FS_ID:74610
EP_NO: N/A
Repair Type: No Action Needed
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/14/2022 Record updated from Non-Urgent to No Action Needed. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. Cleaning and clearing of vegetation and silt deposited inside the pipe was previously addressed and no issues observed during inspection. (M.Thao - DWR UCIP)
09/17/2013 - needs clearing and cleaning of vegetations on both ends of the pipe.- needs clearing and cleaning of silt deposited inside of the pipe. (DWR UCIP - P. Amatya)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 4 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.28). USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.29), listed as 24-inch pipe].
FS Date: 4/14/2022

| | | | | | |
|----------|------|--------------|-----|------------|-----------|
| LM Start | 1.27 | Rating ** | A/W | Issue No. | 23 (cont) |
| LM End | 1.27 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2023_74610_111482.jpg



Levee crown looking upstream.

Photo 2 of 3 : UCIP_FA_2023_74610_111483.jpg



LS view: Looking from crown; general overview.

| | | | |
|--|--|---|---|
| * 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 03 Owens Creek Diversion | Right | 1.43 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.27 | Rating ** | A/W | Issue No. | 23 (cont) |
| LM End | 1.27 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.273082 ° | 37.273082 ° |
| | | | | -120.280288 ° | -120.280288 ° |
| DWR ID | 23066 | | | | |

Photo 3 of 3 : UCIP_FA_2023_74610_111484.jpg



LS view: Concrete headwall and pipe inlet on 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
Unit Cover Sheet**

Merced Streams Group

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 04 Owens Creek Diversion | | | Left | 1.42 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | U | |
| Date of Inspection | | | 9/13/2023 - 9/13/2023 | |
| DWR Inspector | | | Corey Fujitani | |
| Accompanied By | | | Oscar Ortiz Merced County | |

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.01 | Rating ** | M | Issue No. | 16 |
| LM End | 0.12 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.273345° | 37.273215° |
| | | | | -120.277834° | -120.279865° |
| DWR ID | DWR_NA0013_04_f_2022_16 | | | | |
| Comment Code | | | | | |
| CR : Crops | | | | | |
| Inspector Comment | | | | | |
| Crops plants approximately 5 ft from landside toe should be move outside the 20 ft easement. | | | | | |

Photo 1 of 1 : FA_2023_NA0013_334_16_20230821_00005.jpg



Crops planted within the easement of the landside toe. (Fall 2022)

| | | | | | |
|---|---------------------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.08 | Rating ** | M | Issue No. | 10 |
| LM End | 0.08 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.273299° | 37.273299° |
| | | | | -120.279149° | -120.279149° |
| DWR ID | DWR_NA0013_04_f_2020_10 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| Depression in crown and waterside slope is possibly cause by irrigation pipe. | | | | | |

Photo 1 of 1 : FA_2023_NA0013_334_10_20230821_00001.jpg



View of depression across the levee crown and waterside slope. (Fall 2020)

| | | | |
|--|--|---|---|
| * 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.11 | Rating ** | M | Issue No. | 17 |
| LM End | 0.11 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.273295° | 37.273295° |
| | | | | -120.279673° | -120.279673° |
| DWR ID | 23068 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:23068 | | | | | |
| FS_ID:77414 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: Non-Urgent | | | | | |
| EVAL Issue: 11, Maintenance Compliance Issue | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: 04/14/2022 Record remains Non-Urgent. Flap gate blocked by debris on WS; recommend removing debris. Vegetation has been cleared on LS. DMP internal video inspection has not found pipe integrity issues. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. (M.Thao - DWR UCIP) | | | | | |
| 09/17/2013 - needs vegetation clearing on both sides. Flapgate blocked by debris on WS. - inlet and outlet need silt clearing and cleaning. (DWR UCIP - P. Amatya) | | | | | |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.10). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.10), listed as 24-inch pipe]. | | | | | |
| FS Date: 4/14/2022 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.11 | Rating ** | M | Issue No. | 17 (cont) |
| LM End | 0.11 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2023_77414_111520.jpg



Levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2023_77414_111521.jpg



LS view: Concrete headwall and pipe inlet on 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|------------------|
| LM Start | 0.11 | Rating ** | M | Issue No. | 17 (cont) |
| LM End | 0.11 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.273295° | 37.273295° |
| | | | | -120.279673° | -120.279673° |
| DWR ID | 23068 | | | | |

Photo 3 of 3 : UCIP_FA_2023_77414_111522.jpg



WS view: Concrete headwall, spillway, and flap gate on 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|---|-----------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.18 | Rating ** | M | Issue No. | 18 |
| LM End | 0.18 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.272437° | 37.272437° |
| | | | | -120.280260° | -120.280260° |
| DWR ID | 23069 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:23069 FS_ID:74658 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit Crossing Status: Found UCIP Comments: 09/18/2023 Pipe was CIPP lined. DMP internal video inspection has found none or minor pipe defects. Recommend next video inspection in 5 years. (O. Yakimov - DWR UCIP) 04/14/2022 Record remains Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. A PVC pipe was placed into the CMP drainage pipe for unknown reasons; unable to find a permit for modification. (M.Thao - DWR UCIP) 09/29/2016: WS and LS ends have been cleared. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on both sides. Flapgate blocked on WS. - inlet pipe needs clearing on landside. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.17). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.17), listed as 24-inch pipe]. FS Date: 4/14/2022 | | | | | |

Photo 1 of 3 : UCIP_FA_2023_74658_111523.jpg



Levee crown looking downstream.

| | | |
|--|---|--|
| * 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|--------------|------------------|
| LM Start | 0.18 | Rating ** | M | Issue No. | 18 (cont) |
| LM End | 0.18 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.272437° | 37.272437° | |
| | | | -120.280260° | -120.280260° | |
| DWR ID | 23069 | | | | |

Photo 2 of 3 : UCIP_FA_2023_74658_111524.jpg



LS view: Looking from crown; backside of concrete headwall on toe.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.18 | Rating ** | M | Issue No. | 18 (cont) |
| LM End | 0.18 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2023_74658_111525.jpg



LS view: Concrete headwall and pipe inlet; PVC pipe was inserted into the draining pipe inlet.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.25 | Rating ** | M | Issue No. | 12 |
| LM End | 0.25 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.272065° | 37.272065° |
| | | | | -120.281459° | -120.281459° |
| DWR ID | DWR_NA0013_04_f_2021_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 : FA_2023_NA0013_334_12_20230821_00002.jpg



View of rodent burrows in the landside slope. (Fall 2021)

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|-----|------------------------|--------------|--|
| LM Start | 0.32 | Rating ** | A/W | Issue No. | 19 | |
| LM End | 0.32 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.271495° | 37.271495° | |
| | | | | -120.282452° | -120.282452° | |
| DWR ID | 23070 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:23070 FS_ID:74630 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: 09/18/2023 Record updated from Non-Urgent to No Action Needed. Pipe was CIPP lined. DMP internal video inspection has found none or minor pipe defects. Recommend next video inspection in 5 years. (O. Yakimov - DWR UCIP) 04/14/2022 Record remains Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. Pipe on LS and WS have been cleared, but sediment buildup is present on spillway on WS. The sediment buildup does not currently impact operation of flap gate. (M.Thao - DWR UCIP) 09/29/2016: WS and LS ends have been cleared by Mike Walejko of NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on waterside.- inlet on landside needs clearing. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.31) . USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.31), listed as 24-inch pipe]. FS Date: 4/14/2022 | | | | | | |

Photo 1 of 2 : UCIP_FA_2023_74630_111540.jpg



LS view: Concrete headwall and pipe inlet on 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|------------------|
| LM Start | 0.32 | Rating ** | A/W | Issue No. | 19 (cont) |
| LM End | 0.32 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.271495° | 37.271495° |
| | | | | -120.282452° | -120.282452° |
| DWR ID | 23070 | | | | |

Photo 2 of 2 : UCIP_FA_2023_74630_111537.jpg



WS view: Close-up view on flap gate not impacted by sediment buildup.

| | | | |
|--|--|---|---|
| * 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 0.45 | Rating ** | A/W | Issue No. | 20 |
| LM End | 0.45 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.270318 ° | 37.270318 ° | |
| | | | -120.284222 ° | -120.284222 ° | |
| DWR ID | 23071 | | | | |

Comment Code

Inspector Comment

DS_ID:23071
FS_ID:74632
EP_NO: N/A
Repair Type: No Action Needed
EVAL Issue:
Crossing Status: Found
UCIP Comments: 09/18/2023 Record updated from Non-Urgent to No Action Needed. Pipe was CIPP lined. DMP internal video inspection has found none or minor pipe defects. Recommend next video inspection in 5 years. (O. Yakimov - DWR UCIP)
04/14/2022 Record updated from No Action Needed to Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. (M.Thao - DWR UCIP)
09/29/2016: WS headwall, flap gate and spillway have been cleared of vegetation by Mike Walejko of NA0013. Crossing has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)09/2013:- vegetations clearing on spillway area. (P. Amatya - UCIP)
FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal gravity drainage pipe through the levee, 5 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe.
[Additional Reference(s): DWR Levee Log, 2005 (HLM 0.45). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.45), listed as 24-inch pipe].
FS Date: 4/14/2022

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.45 | Rating ** | A/W | Issue No. | 20 (cont) |
| LM End | 0.45 | Issue Type + | Ma | Location * | |

Photo 1 of 2 : UCIP_FA_2023_74632_111547.jpg



LS view: Concrete headwall and pipe inlet on toe.

Photo 2 of 2 : UCIP_FA_2023_74632_111548.jpg



WS view: Concrete headwall, spillway, and flap gate on toe.

| * Location | ** Rating | + Issue Type |
|--|---|---|
| LS: Land Side WS: Water Side CR: Crown | A: Acceptable M: Minimally Acceptable U: Unacceptable N: Not Inspected/Rated C: Corrected 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|---|-----------------------------|--------------|-----|------------------------|--------------|
| LM Start | 0.58 | Rating ** | A/W | Issue No. | 21 |
| LM End | 0.58 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.268705° | 37.268705° |
| | | | | -120.285546° | -120.285546° |
| DWR ID | 23072 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:23072 | | | | | |
| FS_ID:74659 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: No Action Needed | | | | | |
| EVAL Issue: | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: 09/18/2023 Record updated from Non-Urgent to No Action Needed. Pipe was CIPP lined. DMP internal video inspection has found none or minor pipe defects. Recommend next video inspection in 5 years. (O. Yakimov - DWR UCIP) | | | | | |
| 04/14/2022 Record remains Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. The headwall and pipe inlet was not found on LS toe. Need to coordinate with LMA to determine status of crossing. (M.Thao - DWR UCIP) | | | | | |
| 09/29/2016: WS cleared by NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP) | | | | | |
| 09/2013:- needs vegetation clearing on both levee sides. (P. Amatya - UCIP) | | | | | |
| FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.58). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.58), listed as 24-inch pipe]. | | | | | |
| FS Date: 4/14/2022 | | | | | |

Photo 1 of 3 : UCIP_FA_2023_74659_111555.jpg



Levee crown looking downstream.

| | | | |
|--|--|---|---|
| * 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|--------------|------------------|
| LM Start | 0.58 | Rating ** | A/W | Issue No. | 21 (cont) |
| LM End | 0.58 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.268705° | 37.268705° | |
| | | | -120.285546° | -120.285546° | |
| DWR ID | 23072 | | | | |

Photo 2 of 3 : UCIP_FA_2023_74659_111556.jpg



LS view: Looking from crown; headwall and pipe inlet on toe not found.

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.58 | Rating ** | A/W | Issue No. | 21 (cont) |
| LM End | 0.58 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2023_74659_111558.jpg



WS view: Concrete headwall, spillway, and flap gate on 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 0.81 | Rating ** | U | Issue No. | 22 |
| LM End | 0.81 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.265948 ° | 37.265948 ° | |
| | | | -120.287790 ° | -120.287790 ° | |
| DWR ID | 23073 | | | | |

Comment Code

Inspector Comment

DS_ID:23073
FS_ID:74660
EP_NO: N/A
Repair Type: Urgent
EVAL Issue: 2b, Levee Integrity
Crossing Status: Found
UCIP Comments: 12/20/2022 Record remains Urgent. Pipe has been CIPP-lined. LOF of crossing is less or equal to 4. Recommend next video inspection in 5 years. Erosion around concrete headwall on WS toe needs to be addressed. (O.Yakimov - DWR UCIP)
04/14/2022 Record updated from Non-Urgent to Urgent. Levee disturbance caused by erosion is greater than 1/2 foot in depth around concrete headwall on WS toe. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. (M.Thao - DWR UCIP)
09/17/2013 - needs vegetation clearing on waterside.- concrete spillway on waterside.- the drainage was working during field survey. (DWR UCIP - P. Amatya)
FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.81). USACE San Joaquin O&M Manual 607, June 1962, (HLM 0.82), listed as 24-inch pipe].
FS Date: 4/14/2022

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.81 | Rating ** | U | Issue No. | 22 (cont) |
| LM End | 0.81 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2023_74660_111561.jpg



LS view: Concrete headwall and pipe inlet on toe.

Photo 2 of 3 : UCIP_FA_2023_74660_111562.jpg



WS view: Concrete headwall, spillway, and flap gate on toe.

| * Location | ** Rating | + Issue Type |
|--|---|---|
| LS: Land Side WS: Water Side CR: Crown | A: Acceptable M: Minimally Acceptable U: Unacceptable N: Not Inspected/Rated C: Corrected 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|--------------|------------------|
| LM Start | 0.81 | Rating ** | U | Issue No. | 22 (cont) |
| LM End | 0.81 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.265948° | 37.265948° | |
| | | | -120.287790° | -120.287790° | |
| DWR ID | 23073 | | | | |

Photo 3 of 3 : UCIP_FA_2023_74660_111563.jpg



WS view: Erosion present around concrete headwall.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.01 | Rating ** | M | Issue No. | 13 |
| LM End | 1.01 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.263139° | 37.263139° |
| | | | | -120.287799° | -120.287799° |
| DWR ID | DWR_NA0013_04_s_2021_13 | | | | |
| Comment Code | | | | | |
| PI : Pipe | | | | | |
| Inspector Comment | | | | | |
| There appears to be installed drainage pipes feeding the existing pipe crossing. There is no known permit related to these pipes. | | | | | |

Photo 1 of 1 : FA_2023_NA0013_334_13_20230821_00003.jpg



Drainage pipes feeding to existing pipe crossing. (Spring 2021)

| | | | |
|--|---|---|--|
| * 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|-----|------------------------|--------------|--|
| LM Start | 1.01 | Rating ** | A/W | Issue No. | 23 | |
| LM End | 1.01 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.263139° | 37.263139° | |
| | | | | -120.287799° | -120.287799° | |
| DWR ID | 23074 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:23074 FS_ID:74642 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: 09/18/2023 Record updated from Non-Urgent to No Action Needed. Pipe was CIPP lined. DMP internal video inspection has found none or minor pipe defects. Recommend next video inspection in 5 years. (O. Yakimov - DWR UCIP) 04/14/2022 Record updated from No Action Needed to Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. Appears two PVC pipes have been placed landward off levee toe and covered with fill; no modifications to crossing observed. The PVC pipes now drain to the crossing. (M.Thao - DWR UCIP) 09/17/2013 - concrete spillway on waterside.- drainage was working during field survey (DWR UCIP - P. Amatya). FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.02). USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.02), listed as 24-inch pipe]. FS Date: 4/14/2022 | | | | | | |

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 1.01 | Rating ** | A/W | Issue No. | 23 (cont) |
| LM End | 1.01 | Issue Type + | Ma | Location * | |

Photo 1 of 2 : UCIP_FA_2023_74642_111566.jpg



LS view: Concrete headwall and pipe inlet on toe.

Photo 2 of 2 : UCIP_FA_2023_74642_111568.jpg



WS view: Concrete headwall, spillway, and flap gate on toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|--------------|
| LM Start | 1.08 | Rating ** | A/W | Issue No. | 24 |
| LM End | 1.08 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.262207° | 37.262207° |
| | | | | -120.288149° | -120.288149° |
| DWR ID | 23075 | | | | |

Comment Code

Inspector Comment

DS_ID:23075
FS_ID:74643
EP_NO: N/A
Repair Type: No Action Needed
EVAL Issue:
Crossing Status: Found
UCIP Comments: 09/18/2023 Record updated from Non-Urgent to No Action Needed. Pipe was CIPP lined. DMP internal video inspection has found none or minor pipe defects. Recommend next video inspection in 5 years. (O. Yakimov - DWR UCIP)
04/14/2022 Record remains Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. No issues observed during inspection. (M.Thao - DWR UCIP)
09/17/2013 - needs clearing on both inlet and outlet. - needs vegetations clearing on spillway on waterside and inlet on landside. (DWR UCIP - P. Amatya)
FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.08). USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.08), listed as 24-inch pipe].
FS Date: 4/14/2022

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 1.08 | Rating ** | A/W | Issue No. | 24 (cont) |
| LM End | 1.08 | Issue Type + | Ma | Location * | |

Photo 1 of 2 : UCIP_FA_2023_74643_111570.jpg



LS view: Concrete headwall and pipe inlet on toe.

Photo 2 of 2 : UCIP_FA_2023_74643_111572.jpg



WS view: Concrete headwall, spillway, and flap gate on toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|---|---------------------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.11 | Rating ** | M | Issue No. | 14 |
| LM End | 1.22 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.261787° | 37.260138° |
| | | | | -120.288109° | -120.288136° |
| DWR ID | DWR_NA0013_04_s_2022_14 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| Minor rutting in the levee crown should be filled and compacted before rutting worsens. | | | | | |

Photo 1 of 1 : FA_2023_NA0013_334_14_20230821_00004.jpg



Depressions beginning to form in the levee crown from vehicle traffic.
(Spring 2022)

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.11 | Rating ** | M | Issue No. | 15 |
| LM End | 1.42 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.261684° | 37.257360° |
| | | | | -120.288125° | -120.288254° |
| DWR ID | DWR_NA0013_04_f_2023_15 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Vegetation on the landside toe should be mowed 10 feet from the toe. | | | | | |

Photo 1 of 1 : FA_2023_NA0013_334_15_20230925_00006.jpg



View of vegetation growing on the landside toe. (Fall 2023)

| | | | |
|--|--|---|---|
| * 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|-----|------------------------|--------------|--|
| LM Start | 1.21 | Rating ** | A/W | Issue No. | 25 | |
| LM End | 1.21 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.260250° | 37.260250° | |
| | | | | -120.288141° | -120.288141° | |
| DWR ID | 23076 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:23076 FS_ID:74650 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: 09/18/2023 Record updated from Non-Urgent to No Action Needed. Pipe was CIPP lined. DMP internal video inspection has found none or minor pipe defects. Recommend next video inspection in 5 years. (O. Yakimov - DWR UCIP) 04/14/2022 Record updated from No Action Needed to Non-Urgent. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. No issues observed during inspection. (M.Thao - DWR UCIP) 09/01/2016: Per Mike Walejko, WS outlet has been cleared. See photos. Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)08/23/2016: LS inlet is clear. WS outlet is still buried. Cracks on crown characteristic of entire left bank and not associated with the crossing at this location. (K. Fazel - UCIP)09/17/2013:- significant levee crown and slope cracks along the pipe. Detailed investigation required.- inlet pipe buried on landside. Needs removal of silts. Needs clearing and cleaning.- half of outlet pipe buried. Needs clearing and removal of vegetations and silts. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch CIPP-lined corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.24). USACE San Joaquin O&M Manual 607, June 1962, (HLM 1.24), listed as 24-inch pipe]. FS Date: 4/14/2022 | | | | | | |

Photo 1 of 2 : UCIP_FA_2023_74650_111587.jpg



LS view: Concrete headwall and pipe inlet at 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 - Fall 2023

Merced Streams Group

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 Owens Creek Diversion | Left | 1.42 | 09/13/2023 09/13/2023 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.21 | Rating ** | A/W | Issue No. | 25 (cont) |
| LM End | 1.21 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.260250 ° | 37.260250 ° |
| | | | | -120.288141 ° | -120.288141 ° |
| DWR ID | 23076 | | | | |

Photo 2 of 2 : UCIP_FA_2023_74650_111588.jpg



WS view: Concrete headwall, spillway, and flap gate on 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 |
|--|--|---|---|