

**Flood Control Project Maintenance
Levee Inspections**

Fall 2019 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

| RD0556 Reclamation District No. 0556 Upper Andrus | Overall LMA Rating | Total LMA Miles | | | | | | |
|---|------------------------|--------------------|--------------|-------------|-------------|---------|---------------------------------|---------|
| | U | 11.20 | | | | | | |
| 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 | 1.47 | 9.60 | 39.87 | 355.97% | 0.05 | 1.02 | | |
| Trim / Thin Trees | 1.05 | 2.36 | 10.49 | 93.66% | | | | |
| Encroachments | 0.06 | 0.06 | 0.30 | 2.68% | 0.24 | 0.09 | | |
| Animal Control | 2.56 | 0.20 | 3.36 | 30.00% | | | | |
| Slope Stability | | 0.03 | 0.12 | 1.07% | | | | |
| Erosion / Bank Caving | 0.03 | | 0.03 | 0.27% | | | | |
| Emergency Supplies & Equipment | 0.11 | | 0.11 | 0.98% | | | | |
| Flood Preparedness & Training | 0.11 | | 0.11 | 0.98% | | | | |
| <i>Supplemental</i> | | | | | | | | |
| 2017 USACE Erosion Survey | 1.85 | | 1.85 | 16.52% | | | | |
| DRAFT DWR UCIP Field Study | | | | | 0.23 | 0.01 | | |
| <i>LMA Totals:</i> | 7.24 | 12.25 | 56.24 | 502.12% | 0.52 | 1.12 | 0.00 | 0.00 |

| Unit No. 01 Georgiana Slough RB RD0556 | Overall Unit Rating | Total Unit Miles | | | | | | |
|---|------------------------|---------------------|--------------|-------------|-------------|---------|---------------------------------|---------|
| | U | 5.48 | | | | | | |
| 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 | 1.37 | 2.74 | 12.33 | 224.90% | 0.02 | 0.31 | | |
| Trim / Thin Trees | | 2.23 | 8.92 | 162.70% | | | | |
| Encroachments | | | | | 0.01 | 0.07 | | |
| Animal Control | 2.56 | 0.12 | 3.04 | 55.45% | | | | |
| Slope Stability | | 0.02 | 0.08 | 1.46% | | | | |
| Erosion / Bank Caving | 0.02 | | 0.02 | 0.37% | | | | |
| <i>Supplemental</i> | | | | | | | | |
| 2017 USACE Erosion Survey | 1.19 | | 1.19 | 21.71% | | | | |
| DRAFT DWR UCIP Field Study | | | | | 0.12 | | | |
| <i>Unit Totals:</i> | 5.14 | 5.11 | 25.58 | 466.58% | 0.15 | 0.38 | 0.00 | 0.00 |

| Unit No. 02 Sacramento River LB RD0556 | Overall Unit Rating | Total Unit Miles | | | | | | |
|---|------------------------|---------------------|--------------|-------------|-------------|---------|---------------------------------|---------|
| | U | 5.72 | | | | | | |
| 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 | 0.10 | 6.86 | 27.54 | 481.63% | 0.03 | 0.71 | | |
| Trim / Thin Trees | 1.05 | 0.13 | 1.57 | 27.46% | | | | |
| Encroachments | 0.06 | 0.06 | 0.30 | 5.25% | 0.23 | 0.02 | | |
| Animal Control | | 0.08 | 0.32 | 5.60% | | | | |
| Slope Stability | | 0.01 | 0.04 | 0.70% | | | | |
| Erosion / Bank Caving | 0.01 | | 0.01 | 0.18% | | | | |
| <i>Supplemental</i> | | | | | | | | |
| 2017 USACE Erosion Survey | 0.66 | | 0.66 | 11.54% | | | | |
| DRAFT DWR UCIP Field Study | | | | | 0.11 | 0.01 | | |
| <i>Unit Totals:</i> | 1.88 | 7.14 | 30.44 | 532.35% | 0.37 | 0.74 | 0.00 | 0.00 |

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Fall 2019 Levee Inspection Results**

Reclamation District No. 0556 Upper Andrus

| | 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

Fall 2019 Levee Inspection Results

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles |
|------------------------------|-------|------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 |

| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
|--|--|---------------------------|--|---------------------------------|
| Unit Maintenance Rating (Fall Only) | | | U | |
| Date of Inspection | 3/21/2019 - 3/21/2019 | | 10/18/2019 - 10/18/2019 | |
| DWR Inspector | David Julian | | David Julian | |
| Accompanied By | Alan Silva Reclamation District 556 | | Alan Silva Reclamation District 556 | |

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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|---|-------------------------------|--------------|----|------------------------|----------|
| LM Start | | Rating ** | M | Issue No. | 3 |
| LM End | | Issue Type + | Ma | Location * | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Flood Preparedness & Training | | | o | o |
| DWR ID | DWR_RD0556_01_f_2014_3 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| The members in the district have not been flood fight trained recently according to the district manager. | | | | | |

No Photos

| | | | | | |
|--|----------------------------------|--------------|----|------------------------|----------|
| LM Start | | Rating ** | A | Issue No. | 6 |
| LM End | | Issue Type + | Ma | Location * | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Operations & Maintenance Manuals | | | o | o |
| DWR ID | DWR_RD0556_01_s_2012_6 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| Sent electronic copy of O+M manual to LMA. | | | | | |

No Photos

| | | | | | |
|--|--------------------------------|--------------|----|------------------------|----------|
| LM Start | | Rating ** | M | Issue No. | 8 |
| LM End | | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Emergency Supplies & Equipment | | | o | o |
| DWR ID | DWR_RD0556_01_f_2019_8 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| According to the district manager, when they need supplies they will order them, there are no supplies stored. | | | | | |

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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 0.08 | Rating ** | U | Issue No. | 21 |
| LM End | 0.58 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Trim / Thin Trees | | 38.238037° | 38.231927° | |
| | | | -121.518067° | -121.522215° | |
| DWR ID | DWR_RD0556_01_s_2017_21 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Control the wild growth and trim the trees so the slope can be seen. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_21_20191021_00063.jpg



View looking downstream at thick trees on the landside slope (Fall 2019).

| | | | | | |
|--|---------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 0.39 | Rating ** | M | Issue No. | 36 |
| LM End | 0.58 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | 2017 USACE Erosion Survey | | 38.234038° | 38.231879° | |
| | | | -121.519817° | -121.522003° | |
| DWR ID | DWR_RD0556_01_f_2018_36 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| 2017 Site ID: GEO 11.8 R Status: Eroding New 2017 Field Notes: Tree popout popouts eminent , significant toe erosion and whole bank failure in sections Site History: | | | | | |

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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|---|----------------------------|--------------|----|------------------------|------------------|
| LM Start | 0.44 | Rating ** | M | Issue No. | 60 (cont) |
| LM End | 0.44 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.233537° | 38.233537° |
| | | | | -121.520483° | -121.520483° |
| DWR ID | 20820 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:20820 FS_ID:45564 EP_NO: 3448 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Dense vegetation inhibited visibility of gasoline marker on WS. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 4.5-inch steel natural gas pipeline through the levee, 4 feet below the crown. Location marker on the waterside (WS) shoulder. Cut in pavement visible at the crossing. Gas line marker on the landside (LS) and on the opposite bank at Reclamation District No. 263 (RD0263). Pipe not located in February 1991. (Plans for construction of a 4.5-inch gas line across Georgiana Slough from Andrus Island to Tyler Island authorized under Permit No. 3448, 1960 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log]. FS Date: 5/27/2015 | | | | | |

Photo 3 of 3 : UCIP_FA_2019_45564_74152.jpg



View of WS. Dense vegetation limited visibility of 'No Trespassing' sign.

| | | | | | |
|--|----------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.53 | Rating ** | M | Issue No. | 61 |
| LM End | 0.53 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.232450° | 38.232450° |
| | | | | -121.521624° | -121.521624° |
| DWR ID | 20821 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:20821 FS_ID:45663 EP_NO: 5548 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation prevents inspection of WS slope. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 5 feet below the crown. 1.25-inch electrical conduit through the levee at the same location. Pump on the waterside (WS). Concrete steps on the landside (LS) slope. Cuts in pavement visible at the crossing. (Plans to install a pump with a 12-inch discharge pipe and one electrical conduit through the levee authorized under Permit No. 5548, 1966 - George K. Adams). [Additional Reference(s): DWR Levee Log]. FS Date: 5/13/2015 | | | | | |

Photo 1 of 3 : UCIP_FA_2019_45663_74180.jpg



Concrete steps on LS slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|---|----------------------------|--------------|----|------------------------|------------------|
| LM Start | 0.54 | Rating ** | M | Issue No. | 62 (cont) |
| LM End | 0.54 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.232354 ° | 38.232354 ° |
| | | | | -121.521727 ° | -121.521727 ° |
| DWR ID | 20826 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:20826 FS_ID:45664 EP_NO: 5548A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation prevented inspection of WS slope. FIELD_STRUCT_DESC: 14-inch steel irrigation discharge pipe through the levee, 5 feet below the crown. Pump on the waterside (WS). Electrical conduit through the levee at the same location. Pole with electrical panel at the landside (LS) toe. Standpipe at the LS toe. (Plans to install a 7-gauge, 14-inch pipe through the levee authorized under Permit No. 5548-A, 1981 - Kaydix Company). [Additional Reference(s): DWR Levee Log]. FS Date: 5/27/2015 | | | | | |

Photo 3 of 3 : UCIP_FA_2019_45664_74192.jpg



Standpipe and service pole visible off LS toe.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.77 | Rating ** | M | Issue No. | 19 |
| LM End | 1.27 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.229773 ° | 38.227978 ° |
| | | | | -121.524430 ° | -121.531113 ° |
| DWR ID | DWR_RD0556_01_f_2019_19 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|---|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 0.80 | Rating ** | M | Issue No. | 12 |
| LM End | 3.36 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Animal Control | | 38.229459° | 38.208959° | |
| | | | -121.524805° | -121.541368° | |
| DWR ID | DWR_RD0556_01_s_2012_12 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Exterminate rodents and backfill and compact burrows. | | | | | |

No Photos

| | | | | | |
|-------------------|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 0.87 | Rating ** | U | Issue No. | 24 |
| LM End | 0.87 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.228820° | 38.228820° | |
| | | | -121.525853° | -121.525853° | |
| DWR ID | DWR_RD0556_01_f_2017_24 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_24_20190826_00006.jpg



Trim/thin landscaping to allow inspection and access to levee slope and 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.17 | Rating ** | M | Issue No. | 63 |
| LM End | 1.17 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.227534 ° | 38.227534 ° |
| | | | | -121.529396 ° | -121.529396 ° |
| DWR ID | 25106 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:25106 FS_ID:46799 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Possible erosion above pipe on LS needs attention. FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, at an unknown depth. Visible on the landside (LS), 6 feet away from the 10-inch pipe at HLM 1.17. Post likely for protection of vent located on the shoulder. Power pole next to pipe on the LS. This crossing was field discovered. FS Date: 5/27/2015 | | | | | |

Photo 1 of 3 : UCIP_FA_2019_46799_74739.jpg



LS view: 8-inch pipe off LS slope with possible erosion above pipe (circled).

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.17 | Rating ** | M | Issue No. | 63 (cont) |
| LM End | 1.17 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_FA_2019_46799_74740.jpg



LS view: Post located above pipe on LS slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|---|----------------------------|--------------|----|------------------------|------------------|
| LM Start | 1.17 | Rating ** | M | Issue No. | 63 (cont) |
| LM End | 1.17 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.227534 ° | 38.227534 ° |
| | | | | -121.529396 ° | -121.529396 ° |
| DWR ID | 25106 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:25106 FS_ID:46799 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Possible erosion above pipe on LS needs attention. FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, at an unknown depth. Visible on the landside (LS), 6 feet away from the 10-inch pipe at HLM 1.17. Post likely for protection of vent located on the shoulder. Power pole next to pipe on the LS. This crossing was field discovered. FS Date: 5/27/2015 | | | | | |

Photo 3 of 3 : UCIP_FA_2019_46799_74741.jpg



Electric pole next to pipe on LS.

| | | | | | |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.17 | Rating ** | M | Issue No. | 64 |
| LM End | 1.17 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.227568 ° | 38.227568 ° |
| | | | | -121.529489 ° | -121.529489 ° |
| DWR ID | 20823 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:20823 FS_ID:45683 EP_NO: 11169 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned in place and if so should be done so properly. Dense vegetation on WS limits visibility. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation discharge pipe through the levee, 3.8 feet below the crown. Located at the lower end of the rock revetment. (Plans to replace an existing 10-inch suction pipe with a 10-inch slant propeller pump on the levee authorized under Permit No. 4848, 1965 - Kay Dix Ranch Company. Retention of a 10-inch pipe through the levee, 3.8 feet below the crown, authorized under Automatic Board Order (ABO) issued as Permit No. 11169, 1975 - Darrell T. and B. M. Mealer). Abandoned in place. [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""R"" 548+59.8), invert elevation 16.8 feet]. FS Date: 5/27/2015 | | | | | |

Photo 1 of 3 : UCIP_FA_2019_45683_74200.jpg



LS view of pipe appearing abandoned in place.

| | | | |
|--|--|---|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|--|---------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 1.20 | Rating ** | M | Issue No. | 20 |
| LM End | 1.53 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | 2017 USACE Erosion Survey | | 38.227615 ° | 38.225374 ° | |
| | | | -121.529894 ° | -121.534406 ° | |
| DWR ID | DWR_RD0556_01_f_2018_20 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| 2017 Site ID: GEO 10.9 R Status: Eroding New 2017 Field Notes: Significant toe erosion and whole bank failure in sections, large pockets from tree popouts. Site History: | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 1.26 | Rating ** | U | Issue No. | 49 |
| LM End | 1.58 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.228020 ° | 38.224923 ° | |
| | | | -121.530930 ° | -121.535153 ° | |
| DWR ID | DWR_RD0556_01_f_2019_49 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_49_20191021_00064.jpg



View looking downstream at thick vegetation the landside slope (Fall 2019).

| | | | | | |
|-------------------------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 1.31 | Rating ** | M | Issue No. | 45 |
| LM End | 1.33 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.227775 ° | 38.227651 ° | |
| | | | -121.531810 ° | -121.532159 ° | |
| DWR ID | DWR_RD0556_01_s_2018_45 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Remove cactus and trim trees. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_45_20190826_00027.jpg



View of cactus on the landside shoulder (Spring 2019).

| | | | |
|--|--|---|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|--|----------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.33 | Rating ** | M | Issue No. | 65 |
| LM End | 1.33 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.227622° | 38.227622° |
| | | | | -121.532154° | -121.532154° |
| DWR ID | 20825 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:20825 FS_ID:45692 EP_NO: 13302 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Seal beneath siphon breaker off LS toe leaking. Rodent activity near crown off LS shoulder. Need to contact owner about leaky seal. Dense vegetation prevented inspection of WS slope. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe and 2-inch galvanized iron electrical conduit through the levee, 2 feet below the crown. Siphon valve on the landside (LS) shoulder. Concrete stand and pump at the LS toe. Circuit box also at the LS toe. Cuts visible in pavement. 6-inch polyvinyl chloride (PVC) standpipe adjacent to the pipe off the LS toe. (Plans to install a 6-inch irrigation pipe and electrical conduit through the levee authorized under Permit No. 13302, 1981 - Kaydix Ranch). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""R"" 540+85), invert elevation 16.3 feet]. FS Date: 5/27/2015 | | | | | |

Photo 1 of 3 : UCIP_FA_2019_45692_74204.jpg



Pipe, standpipe, electrical box at LS toe. Pumphouse in bush behind electrical box.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.33 | Rating ** | M | Issue No. | 65 (cont) |
| LM End | 1.33 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_FA_2019_45692_74205.jpg



WS view and cuts visible on pavement.

| | | | |
|--|--|---|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|--|----------------------------|--------------|----|------------------------|------------------|
| LM Start | 1.33 | Rating ** | M | Issue No. | 65 (cont) |
| LM End | 1.33 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.227622° | 38.227622° |
| | | | | -121.532154° | -121.532154° |
| DWR ID | 20825 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:20825 FS_ID:45692 EP_NO: 13302 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Seal beneath siphon breaker off LS toe leaking. Rodent activity near crown off LS shoulder. Need to contact owner about leaky seal. Dense vegetation prevented inspection of WS slope. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe and 2-inch galvanized iron electrical conduit through the levee, 2 feet below the crown. Siphon valve on the landside (LS) shoulder. Concrete stand and pump at the LS toe. Circuit box also at the LS toe. Cuts visible in pavement. 6-inch polyvinyl chloride (PVC) standpipe adjacent to the pipe off the LS toe. (Plans to install a 6-inch irrigation pipe and electrical conduit through the levee authorized under Permit No. 13302, 1981 - Kaydix Ranch). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""R"" 540+85), invert elevation 16.3 feet]. FS Date: 5/27/2015 | | | | | |

Photo 3 of 3 : UCIP_FA_2019_45692_74206.jpg



Closeup of pipe at LS toe. Seal beneath siphon breaker leaking.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.34 | Rating ** | U | Issue No. | 27 |
| LM End | 1.37 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.227521° | 38.227320° |
| | | | | -121.532393° | -121.532710° |
| DWR ID | DWR_RD0556_01_s_2013_27 | | | | |
| Comment Code | | | | | |
| DE : Debris | | | | | |
| Inspector Comment | | | | | |
| Remove the pile of asphalt and concrete from the toe of levee. | | | | | |

Photo 1 of 3 : FA_2019_RD0556_18_27_20190826_00009.jpg



View of concrete rubble at landside 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|------------------|
| LM Start | 1.34 | Rating ** | U | Issue No. | 27 (cont) |
| LM End | 1.37 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.227521° | 38.227320° |
| | | | | -121.532393° | -121.532710° |
| DWR ID | DWR_RD0556_01_s_2013_27 | | | | |
| Comment Code | | | | | |
| DE : Debris | | | | | |
| Inspector Comment | | | | | |
| Remove the pile of asphalt and concrete from the toe of levee. | | | | | |

Photo 2 of 3 : FA_2019_RD0556_18_27_20190826_00010.jpg



View of concrete rubble on landside slope and toe.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.34 | Rating ** | U | Issue No. | 27 (cont) |
| LM End | 1.37 | Issue Type + | En | Location * | LS |

Photo 3 of 3 : FA_2019_RD0556_18_27_20190826_00011.jpg



View concrete rubble on landside slope.

| | | | | | |
|-------------------------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.43 | Rating ** | M | Issue No. | 40 |
| LM End | 1.43 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.226537° | 38.226537° |
| | | | | -121.533512° | -121.533512° |
| DWR ID | DWR_RD0556_01_f_2012_40 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| Erosion is covered by vegetation. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_40_20190826_00024.jpg



View of erosion that is covered by vegetation on the landside slope (October 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.50 | Rating ** | M | Issue No. | 22 |
| LM End | 1.50 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.225840° | 38.225840° |
| | | | | -121.534157° | -121.534157° |
| DWR ID | DWR_RD0556_01_s_2012_22 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| Dip at the top of the landside slope is greater than 3". | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_22_20190826_00003.jpg



View of dip at the top of the landside slope (October 2018).

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.55 | Rating ** | U | Issue No. | 46 |
| LM End | 3.19 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.225268° | 38.210659° |
| | | | | -121.534733° | -121.539176° |
| DWR ID | DWR_RD0556_01_s_2018_46 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |

No Photos

| | | | | | |
|--|------------------------|--------------|-----|------------------------|--------------|
| LM Start | 1.55 | Rating ** | A/W | Issue No. | 9 |
| LM End | 1.57 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.225191° | 38.224976° |
| | | | | -121.534799° | -121.535043° |
| DWR ID | DWR_RD0556_01_s_2012_9 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| These cut up tree sections remain on the waterward slope to prevent parking in the area. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_9_20190826_00001.jpg



Cut tree sections on the waterside levee shoulder remain to prevent parking.

| | | | |
|--|--|--|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|---|----------------------------|--------------|----|------------------------|------------------|
| LM Start | 1.57 | Rating ** | M | Issue No. | 66 (cont) |
| LM End | 1.57 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.225001 ° | 38.225001 ° |
| | | | | -121.535007 ° | -121.535007 ° |
| DWR ID | 20827 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:20827 FS_ID:45743 EP_NO: 11169 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation on LS and WS limited accessibility. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, 3.5 feet below the crown. 1-inch air valve. Pump and gate valve on the waterside (WS) berm. 2-inch electrical conduit through the levee. 36-inch concrete standpipe and concrete block step on the landside (LS) slope. (Retention of a 10-inch pipe through the levee, 3.5 feet below the crown, and a pump and a gate valve on the WS berm authorized under Automatic Board Order (ABO) issued as Permit No. 11169, 1975 - Darrell T. and B. M. Mealer). [Additional Reference(s): DWR Levee Log, 10-inch pipe referenced. USACE Sacramento O&M Manual 103, June 1954, (Station ""R"" 528+02.1), 10-inch pipe referenced, invert elevation 16.6 feet]. FS Date: 5/27/2015 | | | | | |

Photo 3 of 3 : UCIP_FA_2019_45743_74242.jpg



Slant pump and pipe with 2" electrical conduit into WS slope.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.65 | Rating ** | U | Issue No. | 17 |
| LM End | 1.70 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.224623 ° | 38.224408 ° |
| | | | | -121.536320 ° | -121.537180 ° |
| DWR ID | DWR_RD0556_01_s_2012_17 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Oleanders blocking view down waterside slope | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_17_20191021_00078.jpg



View looking upstream at thick oleanders on the waterside slope (Fall 2019).

| | | | |
|--|--|---|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|-------------------|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 1.66 | Rating ** | U | Issue No. | 51 |
| LM End | 1.69 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.224487° | 38.224355° | |
| | | | -121.536492° | -121.537055° | |
| DWR ID | DWR_RD0556_01_f_2019_51 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_51_20191021_00065.jpg



View looking downstream at landscaping on the landside slope (Fall 2019).

| | | | | | |
|--|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 1.76 | Rating ** | U | Issue No. | 59 |
| LM End | 2.50 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.224070° | 38.217322° | |
| | | | -121.538263° | -121.543601° | |
| DWR ID | DWR_RD0556_01_f_2019_59 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_59_20191021_00077.jpg



View looking upstream at thick vegetation on the waterside slope (Fall 2019).

| | | |
|--|---|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 2.09 | Rating ** | U | Issue No. | 25 |
| LM End | 2.11 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.223087° | 38.222850° |
| | | | | -121.544140° | -121.544330° |
| DWR ID | DWR_RD0556_01_f_2017_25 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_25_20190826_00007.jpg



Unpermitted fence covered in berry vines along landside levee toe should be moved back 10 feet to allow access.

| | | | | | |
|---|----------------------------|--------------|----|------------------------|--------------|
| LM Start | 2.13 | Rating ** | M | Issue No. | 69 |
| LM End | 2.13 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.222560° | 38.222560° |
| | | | | -121.544485° | -121.544485° |
| DWR ID | 20830 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:20830 FS_ID:45786 EP_NO: 2392 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Hole and exposed depression adjacent to pipe at LS. Dense vegetation on WS and LS limited visibility. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 3 feet below the crown. Slant pump on the waterside (WS) bank. 1-inch electrical conduit through the levee, beside the 12-inch pipe, visible on the WS. Service pole and two standpipes at the landside (LS) toe. One of the two standpipes is 6 inches. (Plans for the installation of a pumping plant and a steel pipe through the levee authorized under Permit No. 2392, 1956 - Loyal D. Mealer). [Additional Reference(s): DWR Levee Log]. FS Date: 5/27/2015 | | | | | |

Photo 1 of 3 : UCIP_FA_2019_45786_74280.jpg



WS view: Slant pump, 12-inch and 1-inch pipe through levee.

| | | |
|--|---|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 2.15 | Rating ** | M | Issue No. | 52 |
| LM End | 2.32 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.222265° | 38.219890° | |
| | | | -121.544628° | -121.544017° | |
| DWR ID | DWR_RD0556_01_f_2019_52 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 2.32 | Rating ** | U | Issue No. | 53 |
| LM End | 2.32 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Trim / Thin Trees | | 38.219813° | 38.219813° | |
| | | | -121.544032° | -121.544032° | |
| DWR ID | DWR_RD0556_01_f_2019_53 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_53_20191021_00066.jpg



View looking downstream at fig tree on the landside slope (Fall 2019).

| | | | | | |
|-------------------|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 2.38 | Rating ** | U | Issue No. | 31 |
| LM End | 2.43 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.219037° | 38.218342° | |
| | | | -121.543847° | -121.543842° | |
| DWR ID | DWR_RD0556_01_s_2017_31 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_31_20191021_00067.jpg



View looking downstream at landscaping on the landside slope (Fall 2019).

| | | | |
|--|--|---|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|---|----------------------------|--------------|----|------------------------|------------------|
| LM Start | 2.44 | Rating ** | M | Issue No. | 70 (cont) |
| LM End | 2.44 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.218242° | 38.218242° |
| | | | | -121.543807° | -121.543807° |
| DWR ID | 20831 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| <p>DS_ID:20831 FS_ID:52734 EP_NO: 11169 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/12/2018 Hole near air vent on LS slope is still present but haven't increased in size. Pipe was running at the time of site visit, no leaks detected. Downgraded to "Non-Urgent" due to absence of levee threat. (O.Yakimov-DWR UCIP)05/27/2015 2'x2' hole on levee off LS shoulder. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, 3.7 feet below the crown. 1-inch air valve. Pump and switch panel on the waterside (WS) berm. Service pole on the landside (LS). 9-foot by 3-foot concrete standpipe on the LS. 3 cables encased in a 1.5-inch steel conduit through the levee and on the WS, alongside the 8-inch pipe, disconnected on the WS. (Retention of an 8-inch pipe through the levee, 3.7 feet below the crown, a pump and a switch panel on the WS berm, and a service pole on the LS authorized under Automatic Board Order (ABO) issued as Permit No. 11169, 1975 - Darrell T. and B. M. Mealer). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""R"" 482+49.3), invert elevation 16 feet]. FS Date: 7/12/2018 1:51:13 PM</p> | | | | | |

Photo 3 of 3 : UCIP_FA_2019_52734_74289.jpg



Closeup of concrete standpipe off LS toe.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 2.52 | Rating ** | U | Issue No. | 54 |
| LM End | 2.54 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.217023° | 38.216830° |
| | | | | -121.543415° | -121.543233° |
| DWR ID | DWR_RD0556_01_f_2019_54 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_54_20191021_00068.jpg



View looking downstream at landscaping on the landside slope (Fall 2019).

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.54 | Rating ** | M | Issue No. | 26 |
| LM End | 2.54 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.216850 ° | 38.216850 ° |
| | | | | -121.543302 ° | -121.543302 ° |
| DWR ID | DWR_RD0556_01_f_2018_26 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove new trees from levee slope. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_26_20190826_00008.jpg



Newly planted tree on the land side slope (October 2018).

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.54 | Rating ** | M | Issue No. | 32 |
| LM End | 2.81 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.216770 ° | 38.214455 ° |
| | | | | -121.543212 ° | -121.539433 ° |
| DWR ID | DWR_RD0556_01_f_2016_32 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove the vegetation from 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|---|----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 2.71 | Rating ** | M | Issue No. | 71 |
| LM End | 2.71 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DRAFT DWR UCIP Field Study | | 38.215222 ° | 38.215222 ° | |
| | | | -121.540950 ° | -121.540950 ° | |
| DWR ID | 20848 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:20848 FS_ID:45883 EP_NO: 11167 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears out of use; if so, coordinate with owner to abandon properly per Title 23. FIELD_STRUCT_DESC: 8-inch steel casing through the levee, 3 feet below the crown. 3-inch steel irrigation discharge pipe sleeved through the 8-inch casing. Annular space appears to be grouted. 3-inch pipe connected to the pump on the waterside (WS). 0.75-inch primer pipe. Gate valve on the WS berm. Polyvinyl chloride (PVC) standpipe off the landside (LS) toe, previously a 6-foot by 3-foot concrete standpipe. Pipe not in use. (Retention of an 8-inch pipe through the levee, 3 feet below the crown, and a gate valve on the WS berm authorized under Automatic Board Order (ABO) issued as Permit No. 11167, 1975 - Russel G. Graham, pipe not in use). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""R"" 468+52.7), invert elevation 15.9 feet]. FS Date: 6/5/2015 8:11:00 AM | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 2.72 | Rating ** | U | Issue No. | 48 |
| LM End | 2.75 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.215128 ° | 38.214955 ° | |
| | | | -121.540813 ° | -121.540335 ° | |
| DWR ID | DWR_RD0556_01_f_2018_48 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Remove wild grapes and bamboo from landside. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_48_20190826_00029.jpg



View of wild grapes and bamboo on the 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 2.72 | Rating ** | U | Issue No. | 33 |
| LM End | 2.72 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 38.215107° | 38.215107° |
| | | | | -121.540677° | -121.540677° |
| DWR ID | DWR_RD0556_01_s_2017_33 | | | | |
| Comment Code | | | | | |
| S1 : Repair slope instability. | | | | | |
| Inspector Comment | | | | | |
| Fallen tree on landside. Remove the fallen tree and repair the levee damage. | | | | | |

Photo 1 of 2 : FA_2019_RD0556_18_33_20190826_00017.jpg



View of fallen tree damage to shoulder and slope.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.72 | Rating ** | U | Issue No. | 33 (cont) |
| LM End | 2.72 | Issue Type + | Ma | Location * | LS |

Photo 2 of 2 : FA_2019_RD0556_18_33_20190826_00018.jpg



View of the root ball of the fallen tree on slope landward.

| | | | | | |
|---|---------------------------|--------------|----|------------------------|--------------|
| LM Start | 2.85 | Rating ** | M | Issue No. | 43 |
| LM End | 2.98 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 USACE Erosion Survey | | | 38.214144° | 38.212577° |
| | | | | -121.538692° | -121.537244° |
| DWR ID | DWR_RD0556_01_f_2018_43 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| 2017 Site ID: GEO 9.2 R Status: Eroding New 2017 Field Notes: Toe erosion. Site History: | | | | | |

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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.12 | Rating ** | U | Issue No. | 35 |
| LM End | 3.14 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.211103° | 38.210970° |
| | | | | -121.537993° | -121.538370° |
| DWR ID | DWR_RD0556_01_s_2017_35 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove the arundo from the waterside slope. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_35_20190826_00020.jpg



View of arundo on waterside slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.14 | Rating ** | U | Issue No. | 28 |
| LM End | 3.26 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.210985° | 38.210160° |
| | | | | -121.538372° | -121.540300° |
| DWR ID | DWR_RD0556_01_f_2017_28 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_28_20190826_00012.jpg



Significant rodent activity in this area must be stopped. Holes should be backfilled.

| | | | | | |
|--|---------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.18 | Rating ** | M | Issue No. | 42 |
| LM End | 3.50 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 USACE Erosion Survey | | | 38.210674° | 38.206919° |
| | | | | -121.538854° | -121.541559° |
| DWR ID | DWR_RD0556_01_f_2018_42 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| 2017 Site ID: GEO 9.0 R Status: Eroding New 2017 Field Notes: Toe erosion and failed revetment. Site History: | | | | | |

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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.18 | Rating ** | U | Issue No. | 55 |
| LM End | 3.18 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.210745° | 38.210745° |
| | | | | -121.538967° | -121.538967° |
| DWR ID | DWR_RD0556_01_f_2019_55 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_55_20191021_00069.jpg



View of fig tree on the landside slope (Fall 2019).

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.22 | Rating ** | U | Issue No. | 38 |
| LM End | 3.29 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.210493° | 38.209842° |
| | | | | -121.539760° | -121.540658° |
| DWR ID | DWR_RD0556_01_s_2017_38 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Remove the wild tree growth and vegetation from the landside levee slope and toe so the ground can be seen. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_38_20191021_00070.jpg



View looking downstream at thick tree growth on the landside slope (Fall 2019).

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.31 | Rating ** | U | Issue No. | 57 |
| LM End | 3.85 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.209547° | 38.202072° |
| | | | | -121.540842° | -121.541058° |
| DWR ID | DWR_RD0556_01_f_2019_57 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_57_20191021_00076.jpg



View looking upstream at thick vegetation on the waterside slope (Fall 2019).

| | | | |
|--|--|---|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|-----------|------------------------|--------------|
| LM Start | 3.38 | Rating ** | U | Issue No. | 29 |
| LM End | 3.42 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.208755° | 38.208191° |
| | | | | -121.541395° | -121.541578° |
| DWR ID | DWR_RD0556_01_f_2017_29 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Large cactus growing on shoulder and slope should be removed to allow inspection and access. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_29_20191021_00071.jpg



View looking downstream at cactus on the landside slope (Fall 2019).

| | | | | | |
|--|-------------------------|--------------|-----------|------------------------|--------------|
| LM Start | 3.41 | Rating ** | U | Issue No. | 56 |
| LM End | 3.41 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 38.208210° | 38.208210° |
| | | | | -121.541588° | -121.541588° |
| DWR ID | DWR_RD0556_01_f_2019_56 | | | | |
| Comment Code | | | | | |
| S2 : Repair the levee slope damaged by foot traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| Slope worn down by goats | | | | | |

Photo 1 of 2 : FA_2019_RD0556_18_56_20191021_00072.jpg



View looking downslope at levee terracing on the landside slope due to goats (Fall 2019).

| | | | | | |
|----------|-------------|--------------|-----------|------------|------------------|
| LM Start | 3.41 | Rating ** | U | Issue No. | 56 (cont) |
| LM End | 3.41 | Issue Type + | Ma | Location * | LS |

Photo 2 of 2 : FA_2019_RD0556_18_56_20191021_00073.jpg



View looking upstream at levee terracing on the landside slope due to goats (Fall 2019).

| | | | |
|--|--|--|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.42 | Rating ** | M | Issue No. | 41 |
| LM End | 3.85 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.208113° | 38.202053° |
| | | | | -121.541582° | -121.541135° |
| DWR ID | DWR_RD0556_01_f_2019_41 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove the wild growth and maintain annual vegetation on the levee slope. | | | | | |

No Photos

| | | | | | |
|--|------------------------------|--------------|-----|------------------------|--------------|
| LM Start | 3.43 | Rating ** | A/W | Issue No. | 23 |
| LM End | 3.75 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 Storm Damage | | | 38.208070° | 38.203400° |
| | | | | -121.541700° | -121.540990° |
| DWR ID | USACE_CESPK_UPA1_2011_p_0143 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| Levee Evaluation Comments | | | | | |
| Description: | | | | | |
| Site ID No:67 | | | | | |
| Site Designation:USACE_CESPK_UPA1_2011_p_0143 | | | | | |
| Repair Type: Stability | | | | | |
| Rating:Area of Concern | | | | | |
| Field Date:2/7/2017 | | | | | |
| Notes: inactive ditch on landside toe, slope covered in heavy vegetation, minor landside lower slope sloughing observed, | | | | | |

Photo 1 of 2 : FA_2019_RD0556_18_23_20190826_00004.jpg



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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|--|------------------------------|--------------|-----|------------------------|------------------|
| LM Start | 3.43 | Rating ** | A/W | Issue No. | 23 (cont) |
| LM End | 3.75 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 Storm Damage | | | 38.208070° | 38.203400° |
| | | | | -121.541700° | -121.540990° |
| DWR ID | USACE_CESPK_UPA1_2011_p_0143 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| Levee Evaluation Comments | | | | | |
| Description: | | | | | |
| Site ID No:67 | | | | | |
| Site Designation:USACE_CESPK_UPA1_2011_p_0143 | | | | | |
| Repair Type: Stability | | | | | |
| Rating:Area of Concern | | | | | |
| Field Date:2/7/2017 | | | | | |
| Notes: inactive ditch on landside toe, slope covered in heavy vegetation, minor landside lower slope sloughing observed, | | | | | |

Photo 2 of 2 : FA_2019_RD0556_18_23_20190826_00005.jpg



| | | | | | |
|------------------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.46 | Rating ** | U | Issue No. | 58 |
| LM End | 3.46 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.207585° | 38.207585° |
| | | | | -121.541678° | -121.541678° |
| DWR ID | DWR_RD0556_01_f_2019_58 | | | | |
| Comment Code | | | | | |
| DE : Debris | | | | | |
| Inspector Comment | | | | | |
| Remove concrete debris piles | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_58_20191021_00075.jpg



View of large concrete debris piles on the waterside shoulder. The waterside shoulder is much larger in this section. (Fall 2019).

| | | |
|--|---|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.91 | Rating ** | U | Issue No. | 30 |
| LM End | 3.91 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.201672° | 38.201672° |
| | | | | -121.542133° | -121.542133° |
| DWR ID | DWR_RD0556_01_f_2017_30 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Trim/thin landscaping to allow inspection and access to levee slope and toe. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_30_20190826_00014.jpg



View of landscaping on levee slope and toe.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.93 | Rating ** | U | Issue No. | 34 |
| LM End | 3.98 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.201603° | 38.201273° |
| | | | | -121.542352° | -121.543328° |
| DWR ID | DWR_RD0556_01_f_2017_34 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Remove large cactus from waterside shoulder to allow inspection and access. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_34_20190826_00019.jpg



View of large cactus on waterside shoulder

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.98 | Rating ** | U | Issue No. | 39 |
| LM End | 5.10 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.201273° | 38.190115° |
| | | | | -121.543328° | -121.557642° |
| DWR ID | DWR_RD0556_01_f_2017_39 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove wild growth including berry vines and arundo from landside slope and toe to allow for inspection and access. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_18_39_20190826_00023.jpg



View of dense growth of wild vegetation, berry vines and arundo on landside slope and 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------|
| Unit No. 01 Georgiana Slough | Right | 5.48 | 10/18/2019 10/18/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|------------------|
| LM Start | 5.46 | Rating ** | U | Issue No. | 44 (cont) |
| LM End | 5.46 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.186593° | 38.186593° |
| | | | | -121.562217° | -121.562217° |
| DWR ID | DWR_RD0556_01_s_2017_44 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove the fallen tree from the landside slope and repair the damage to the slope. | | | | | |

Photo 2 of 2 : FA_2019_RD0556_18_44_20190826_00026.jpg



View looking upstream at fallen tree landside slope and damage to the slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Reclamation District No. 0556 Upper Andrus

| Waterway | | Bank | Unit Miles |
|--|-------------------------|---------------------------|---|
| Unit No. 02 Sacramento River | | Left | 5.72 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | U |
| Date of Inspection | 4/25/2019 - 4/25/2019 | | 11/5/2019 - 11/5/2019 |
| DWR Inspector | David Julian | | David Julian |
| Accompanied By | | | |

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.04 | Rating ** | U | Issue No. | 92 |
| LM End | 0.11 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.239106° | 38.238912° |
| | | | | -121.518972° | -121.520247° |
| DWR ID | DWR_RD0556_02_f_2019_92 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Multiple fresh squirrel holes | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_92_20191107_00103.jpg



View of multiple fresh squirrel holes in the landside slope (Fall 2019).

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.04 | Rating ** | U | Issue No. | 20 |
| LM End | 0.04 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 38.239167° | 38.239167° |
| | | | | -121.519040° | -121.519040° |
| DWR ID | DWR_RD0556_02_f_2019_20 | | | | |
| Comment Code | | | | | |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_20_20191107_00080.jpg



View looking downstream at vehicle damage to the waterside slope (Fall 2019).

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.11 | Rating ** | M | Issue No. | 24 |
| LM End | 0.35 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.238959° | 38.238410° |
| | | | | -121.520263° | -121.524578° |
| DWR ID | DWR_RD0556_02_s_2018_24 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.26 | Rating ** | U | Issue No. | 91 |
| LM End | 0.43 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.238643° | 38.238147° |
| | | | | -121.522977° | -121.526023° |
| DWR ID | DWR_RD0556_02_f_2019_91 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_91_20191107_00102.jpg



View of thick vegetation on the landside slope (Fall 2019).

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.32 | Rating ** | M | Issue No. | 34 |
| LM End | 0.36 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.238469° | 38.238375° |
| | | | | -121.524054° | -121.524873° |
| DWR ID | DWR_RD0556_02_f_2019_34 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.39 | Rating ** | C | Issue No. | 22 |
| LM End | 0.39 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 38.238292° | 38.238292° |
| | | | | -121.525362° | -121.525362° |
| DWR ID | DWR_RD0556_02_f_2018_22 | | | | |
| Comment Code | | | | | |
| S1 : Repair slope instability. | | | | | |
| Inspector Comment | | | | | |
| A foot path is digging into levee and should be monitored. | | | | | |
| | | | | | |

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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|---|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 0.44 | Rating ** | M | Issue No. | 40 |
| LM End | 0.51 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Trim / Thin Trees | | 38.238142° | 38.237900° | |
| | | | -121.526198° | -121.527553° | |
| DWR ID | DWR_RD0556_02_f_2018_40 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_40_20190826_00023.jpg



View looking upstream at thick trees on the waterside slope (Spring 2019).

| | | | | | |
|--|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 0.50 | Rating ** | A/W | Issue No. | 43 |
| LM End | 0.50 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Slope Stability | | 38.237963° | 38.237963° | |
| | | | -121.527372° | -121.527372° | |
| DWR ID | DWR_RD0556_02_f_2019_43 | | | | |
| Comment Code | | | | | |
| S2 : Repair the levee slope damaged by foot traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| Fishermen trail is on slope. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_43_20191107_00081.jpg



View of fishermen trail digging into levee on the waterside slope (Fall 2019).

| | | | | | |
|---|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 0.55 | Rating ** | U | Issue No. | 25 |
| LM End | 0.55 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.237810° | 38.237810° | |
| | | | -121.528182° | -121.528182° | |
| DWR ID | DWR_RD0556_02_f_2017_25 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Trim/thin oleanders on the landside of the levee. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_25_20190826_00010.jpg



View of oleanders on the landside of the levee.

| | | | |
|--|--|--|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.58 | Rating ** | U | Issue No. | 51 |
| LM End | 1.49 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.237712° | 38.240240° |
| | | | | -121.528657° | -121.545037° |
| DWR ID | DWR_RD0556_02_f_2018_51 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove wildgrowth 20' down the waterside slope. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_51_20190826_00030.jpg



View looking downstream at wildgrowth on the waterside slope (Spring 2019).

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.58 | Rating ** | M | Issue No. | 62 |
| LM End | 1.00 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.237712° | 38.238395° |
| | | | | -121.528657° | -121.536273° |
| DWR ID | DWR_RD0556_02_f_2018_62 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.65 | Rating ** | U | Issue No. | 90 |
| LM End | 1.75 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.237408° | 38.240955° |
| | | | | -121.530048° | -121.549669° |
| DWR ID | DWR_RD0556_02_f_2019_90 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Blackberries are on the landside slope. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_90_20191107_00101.jpg



View looking upstream at thick vegetation on the landside slope (Fall 2019).

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.69 | Rating ** | M | Issue No. | 39 |
| LM End | 0.73 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.237469° | 38.237568° |
| | | | | -121.530647° | -121.531358° |
| DWR ID | DWR_RD0556_02_s_2018_39 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|--|----------------------------|--------------|----|------------------------|------------------|
| LM Start | 0.94 | Rating ** | M | Issue No. | 93 (cont) |
| LM End | 0.94 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.238125° | 38.238125° |
| | | | | -121.535267° | -121.535267° |
| DWR ID | 20851 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:20851 FS_ID:12512 EP_NO: 11186 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - a concrete box on LS- water is leaking from priming plastic tank and causing surface erosion on levee slope. FIELD_STRUCT_DESC: 4-inch steel irrigation discharge pipe through the levee, 4.3 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) berm. Siphon breaker and service pole on the landside (LS) slope. Concrete spill box with three 8-inch openings. (Retention of a 4-inch pipe through the levee, 4.3 feet below the crown, a pump in a pump house on the WS berm, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11186, 1975 - Margaret M. Marks). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 192+00), 6-inch pipe referenced, invert elevation 18.8 feet]. FS Date: 4/25/2013 | | | | | |

Photo 3 of 3 : UCIP_FA_2019_12512_20243.jpg



WS- pipe daylight from the pump house.

| | | | | | |
|--|---------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.03 | Rating ** | M | Issue No. | 19 |
| LM End | 1.15 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 USACE Erosion Survey | | | 38.238772° | 38.239265° |
| | | | | -121.536788° | -121.538845° |
| DWR ID | DWR_RD0556_02_f_2018_19 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| 2017 Site ID: SAC 25.2 L Status: Eroding 2017 Field Notes: Minor new erosion observed. Site History: 1997 - Rock is in poor condition and has failed in many places. Scallops in berm with remnants of old rock in the toe area. 2005 - Brush boxes present. 2013 - Site extended upstream approximately 300 ft to include new erosion pockets. 2015 - Minor new erosion at toe. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_19_20190826_00007.jpg



USACE 2013 Photo #1

| | | | |
|--|--|---|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.14 | Rating ** | U | Issue No. | 26 |
| LM End | 1.14 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.239005° | 38.239005° |
| | | | | -121.538772° | -121.538772° |
| DWR ID | DWR_RD0556_02_f_2017_26 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Trim/thin oleanders on the landside of the levee. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_26_20190826_00011.jpg



Manage oleanders to allow inspection and access.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.16 | Rating ** | M | Issue No. | 42 |
| LM End | 1.19 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.239083° | 38.239235° |
| | | | | -121.539122° | -121.539695° |
| DWR ID | DWR_RD0556_02_s_2018_42 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|--|----------------------------|--------------|----|------------------------|------------------|
| LM Start | 1.22 | Rating ** | M | Issue No. | 94 (cont) |
| LM End | 1.22 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.239327° | 38.239327° |
| | | | | -121.540190° | -121.540190° |
| DWR ID | 20852 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:20852 FS_ID:12573 EP_NO: 11187 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - gap between 6-inch pipe and 10-inch pipe needs to be sealed. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe sleeved through a 10-inch steel pipe through the levee, 4.8 feet below the crown. Pump on the riverbank. (Retention of a 10-inch pipe through the levee, 4.8 feet below the crown, a flap gate on the waterside (WS) end, landside (LS) end open, used to sleeve portable irrigation pipe, authorized under Automatic Board Order (ABO) issued as Permit No. 11187, 1975 - Ernest and Alvine Machado). [Additional Reference(s): DWR Levee Log]. FS Date: 4/25/2013 | | | | | |

Photo 3 of 3 : UCIP_FA_2019_12573_20383.jpg



WS- 6-inch steel pipe on levee slope

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.26 | Rating ** | U | Issue No. | 65 |
| LM End | 1.29 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.239485° | 38.239607° |
| | | | | -121.540865° | -121.541430° |
| DWR ID | DWR_RD0556_02_s_2019_65 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_65_20191107_00082.jpg



View looking downstream at thick trees on the waterside slope (Fall 2019).

| | | | |
|--|--|---|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.31 | Rating ** | U | Issue No. | 28 |
| LM End | 1.31 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.239677° | 38.239677° |
| | | | | -121.541715° | -121.541716° |
| DWR ID | DWR_RD0556_02_f_2017_28 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Trim/thin oleanders on the landside of the levee. | | | | | |

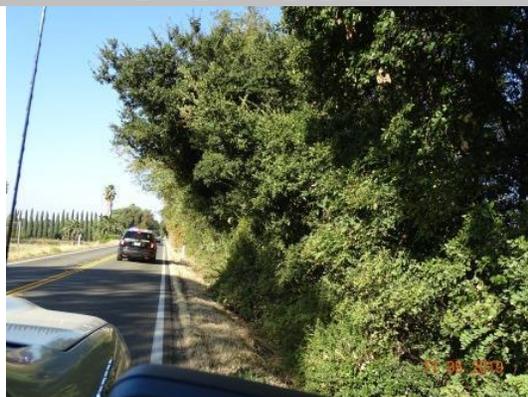
Photo 1 of 1 : FA_2019_RD0556_19_28_20190826_00013.jpg



View of oleanders on the landside of the levee.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.37 | Rating ** | U | Issue No. | 66 |
| LM End | 1.43 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.239888° | 38.240080° |
| | | | | -121.542833° | -121.543942° |
| DWR ID | DWR_RD0556_02_f_2019_66 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_66_20191107_00083.jpg



View looking downstream at thick trees on the waterside slope (Fall 2019).

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.39 | Rating ** | U | Issue No. | 29 |
| LM End | 1.39 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.239935° | 38.239935° |
| | | | | -121.543148° | -121.543148° |
| DWR ID | DWR_RD0556_02_f_2017_29 | | | | |
| Comment Code | | | | | |
| EQ : Equipment | | | | | |
| Inspector Comment | | | | | |
| Remove/relocate the two large sea-train shipping containers to at least 10 feet from the landside toe to allow inspection and access. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_29_20190826_00014.jpg



View of two large sea-train shipping containers at the landside 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 1.48 | Rating ** | U | Issue No. | 41 |
| LM End | 1.48 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.240212° | 38.240212° | |
| | | | -121.544719° | -121.544719° | |
| DWR ID | DWR_RD0556_02_s_2018_41 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Cactus and other landscaping should be removed and managed to allow access and inspection. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_41_20190826_00024.jpg



View of cactus and other landscaping.

| | | | | | |
|--|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 1.57 | Rating ** | U | Issue No. | 47 |
| LM End | 1.57 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.240455° | 38.240455° | |
| | | | -121.546362° | -121.546362° | |
| DWR ID | DWR_RD0556_02_s_2019_47 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Remove cactus from the landside slope. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_47_20190826_00028.jpg



View looking downstream at cactus on the landside slope (Spring 2019).

| | | | | | |
|---|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 1.64 | Rating ** | M | Issue No. | 67 |
| LM End | 1.73 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Trim / Thin Trees | | 38.240733° | 38.240972° | |
| | | | -121.547738° | -121.549260° | |
| DWR ID | DWR_RD0556_02_f_2018_67 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.76 | Rating ** | M | Issue No. | 68 |
| LM End | 1.79 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.241003° | 38.240998° |
| | | | | -121.549887° | -121.550352° |
| DWR ID | DWR_RD0556_02_f_2018_68 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.82 | Rating ** | U | Issue No. | 70 |
| LM End | 1.92 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.241010° | 38.240618° |
| | | | | -121.551033° | -121.552747° |
| DWR ID | DWR_RD0556_02_f_2018_70 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Thin oleanders to allow view down the levee slope. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_70_20190826_00037.jpg



View looking downstream at oleanders (October 2018).

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.83 | Rating ** | U | Issue No. | 30 |
| LM End | 1.99 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.240955° | 38.240024° |
| | | | | -121.551233° | -121.553860° |
| DWR ID | DWR_RD0556_02_f_2017_30 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Remove/thin various landscaping including trees, bushes, and a large cactus. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_30_20190826_00015.jpg



Trim/thin oleanders on landside slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 2.01 | Rating ** | M | Issue No. | 50 |
| LM End | 2.01 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.239885° | 38.239885° |
| | | | | -121.554122° | -121.554122° |
| DWR ID | DWR_RD0556_02_f_2019_50 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove fallen tree limbs from slope and shoulder. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_50_20191107_00085.jpg



View of down tree limbs on the waterside shoulder (Fall 2019).

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 2.02 | Rating ** | U | Issue No. | 71 |
| LM End | 2.31 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.239768° | 38.236756° |
| | | | | -121.554258° | -121.557899° |
| DWR ID | DWR_RD0556_02_f_2018_71 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove vegetation 20' from the waterside slope. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_71_20190826_00038.jpg



View looking upstream at vegetation on waterside slope (October 2018).

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 2.06 | Rating ** | U | Issue No. | 32 |
| LM End | 2.06 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.239470° | 38.239470° |
| | | | | -121.554845° | -121.554845° |
| DWR ID | DWR_RD0556_02_f_2017_32 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Arundo growth should be removed to allow inspection and access to the landside slope and toe. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_32_20190826_00017.jpg



View of arundo on the landside slope and 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 2019

Reclamation District No. 0556 Upper Andrus

| | | | | |
|------------------------------|------|------------|--------------------------|--------------|
| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|---------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 2.12 | Rating ** | U | Issue No. | 57 |
| LM End | 2.12 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.238887° | 38.238887° |
| | | | | -121.555570° | -121.555570° |
| DWR ID | DWR_RD0556_02_f_2019_57 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove downed tree. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_57_20191107_00086.jpg



Down tree on the waterside shoulder (Fall 2019).

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 2.12 | Rating ** | M | Issue No. | 72 |
| LM End | 2.22 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.238828° | 38.237938° |
| | | | | -121.555693° | -121.556955° |
| DWR ID | DWR_RD0556_02_f_2018_72 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 2.13 | Rating ** | U | Issue No. | 87 |
| LM End | 2.13 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.238780° | 38.238780° |
| | | | | -121.555717° | -121.555717° |
| DWR ID | DWR_RD0556_02_f_2018_87 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Cactus should be removed from the landside slope. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_87_20190826_00043.jpg



View of cactus on the landside slope (October 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.22 | Rating ** | U | Issue No. | 33 |
| LM End | 2.22 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.237883 ° | 38.237883 ° |
| | | | | -121.556958 ° | -121.556958 ° |
| DWR ID | DWR_RD0556_02_f_2017_33 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Large growth of prickly pear cactus should be removed to allow inspection and access. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_33_20190826_00018.jpg



View of large growth of prickly pear cactus.

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.28 | Rating ** | M | Issue No. | 1 |
| LM End | 2.28 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.237156 ° | 38.237156 ° |
| | | | | -121.557640 ° | -121.557640 ° |
| DWR ID | DWR_RD0556_02_f_2015_1 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| These unauthorized planted redwoods have been reported in the past inspections. The District needs to have the owner remove them from the levee slope. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_1_20190826_00001.jpg



RD 556 Unit 2 Levee mile 2.28 unauthorized planting of redwood trees planted on the slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.29 | Rating ** | U | Issue No. | 35 |
| LM End | 2.33 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.237060 ° | 38.236545 ° |
| | | | | -121.557782 ° | -121.557910 ° |
| DWR ID | DWR_RD0556_02_f_2017_35 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Trim/thin oleanders to allow inspection and access to landside slope and toe. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_35_20190826_00019.jpg



View of oleanders on the landside slope and 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 2.33 | Rating ** | U | Issue No. | 89 |
| LM End | 2.71 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.236485° | 38.231222° | |
| | | | -121.557950° | -121.556285° | |
| DWR ID | DWR_RD0556_02_f_2019_89 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_89_20191107_00100.jpg



View looking upstream at thick vegetation on the landside slope (Fall 2019).

| | | | | | |
|--|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 2.34 | Rating ** | U | Issue No. | 21 |
| LM End | 2.77 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.236317° | 38.230478° | |
| | | | -121.557996° | -121.555821° | |
| DWR ID | DWR_RD0556_02_s_2019_21 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove wild growth 20' down the waterside slope. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_21_20190826_00008.jpg



View looking downstream at thick wildgrowth on the waterside shoulder (Spring 2019).

| | | |
|--|---|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|---|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 2.69 | Rating ** | M | Issue No. | 44 |
| LM End | 2.69 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Encroachments | | 38.231494° | 38.231494° | |
| | | | -121.556474° | -121.556474° | |
| DWR ID | DWR_RD0556_02_s_2018_44 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove fallen tree from the waterside shoulder. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_44_20190826_00025.jpg



View of fallen tree within 20' of the waterside shoulder (Spring 2019).

| | | | | | |
|---|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 2.75 | Rating ** | U | Issue No. | 88 |
| LM End | 2.75 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Encroachments | | 38.230752° | 38.230752° | |
| | | | -121.556007° | -121.556007° | |
| DWR ID | DWR_RD0556_02_f_2019_88 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Broken tree limb blocking view of landside slope. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_88_20191107_00099.jpg



View of broken tree limb blocking the view of the landside slope (Fall 2019).

| | | |
|--|---|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|-----------|------------------------|--------------|
| LM Start | 2.90 | Rating ** | U | Issue No. | 76 |
| LM End | 5.10 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.228683° | 38.197183° |
| | | | | -121.555352° | -121.559049° |
| DWR ID | DWR_RD0556_02_f_2018_76 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove vegetation 20' from the waterside slope including patches of arundo. | | | | | |

Photo 1 of 2 : FA_2019_RD0556_19_76_20190826_00039.jpg



View looking upstream at arundo on the waterside slope (Spring 2019).

| | | | | | |
|----------|-------------|--------------|-----------|------------|------------------|
| LM Start | 2.90 | Rating ** | U | Issue No. | 76 (cont) |
| LM End | 5.10 | Issue Type + | Ma | Location * | WS |

Photo 2 of 2 : FA_2019_RD0556_19_76_20190826_00040.jpg



View looking upstream at thick wildgrowth on the waterside slope (Spring 2019).

| | | | | | |
|--|-------------------------|--------------|-----------|------------------------|--------------|
| LM Start | 2.90 | Rating ** | U | Issue No. | 86 |
| LM End | 3.26 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.228627° | 38.223450° |
| | | | | -121.555220° | -121.555398° |
| DWR ID | DWR_RD0556_02_f_2019_86 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_86_20191107_00098.jpg



View of thick vegetation on the landside slope (Fall 2019).

| | | | |
|--|--|--|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.05 | Rating ** | M | Issue No. | 77 |
| LM End | 3.05 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.226567° | 38.226567° |
| | | | | -121.555225° | -121.555225° |
| DWR ID | DWR_RD0556_02_f_2018_77 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|----------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.07 | Rating ** | M | Issue No. | 97 |
| LM End | 3.07 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.226225° | 38.226225° |
| | | | | -121.555236° | -121.555236° |
| DWR ID | 20862 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:20862 FS_ID:12525 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - 9-inch steel pipe sleeved through 12-inch pipe.- needs to seal gap between two pipes. FIELD_STRUCT_DESC: 9-inch steel pipe sleeved through a 12-inch steel irrigation discharge pipe through the levee, 6 feet below the crown. Pump on a pile structure in the river. Steel walkway to the pump and wood steps on the waterside (WS) slope. Concrete spill box with two 8-inch openings. (Retention of a 12-inch pipe through the levee, 6 feet below the crown, a pump on a pile structure in the river, a steel walkway to the pump, and wood steps on the WS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11193, 1975 - Gertrude M. Reid). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 80+79), invert elevation 18.3 feet]. FS Date: 4/25/2013 | | | | | |

Photo 1 of 3 : UCIP_FA_2019_12525_20290.jpg



WS- walkway, pump, and pipe on steel pile structure in the river.

| | | | |
|--|--|---|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|---|----------------------------|--------------|----|------------------------|------------------|
| LM Start | 3.07 | Rating ** | M | Issue No. | 97 (cont) |
| LM End | 3.07 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.226225° | 38.226225° |
| | | | | -121.555236° | -121.555236° |
| DWR ID | 20862 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:20862 FS_ID:12525 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - 9-inch steel pipe sleeved through 12-inch pipe.- needs to seal gap between two pipes. FIELD_STRUCT_DESC: 9-inch steel pipe sleeved through a 12-inch steel irrigation discharge pipe through the levee, 6 feet below the crown. Pump on a pile structure in the river. Steel walkway to the pump and wood steps on the waterside (WS) slope. Concrete spill box with two 8-inch openings. (Retention of a 12-inch pipe through the levee, 6 feet below the crown, a pump on a pile structure in the river, a steel walkway to the pump, and wood steps on the WS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11193, 1975 - Gertrude M. Reid). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 80+79), invert elevation 18.3 feet]. FS Date: 4/25/2013 | | | | | |

Photo 2 of 3 : UCIP_FA_2019_12525_20289.jpg



WS- 9-inch pipe sleeved through 10 inch steel pipe.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 3.07 | Rating ** | M | Issue No. | 97 (cont) |
| LM End | 3.07 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2019_12525_20288.jpg



LS- a concrete spill box on landside of the levee.

| | | | |
|--|--|---|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.07 | Rating ** | M | Issue No. | 59 |
| LM End | 3.07 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.226155° | 38.226155° |
| | | | | -121.555273° | -121.555273° |
| DWR ID | DWR_RD0556_02_f_2019_59 | | | | |
| Comment Code | | | | | |
| MA : Material | | | | | |
| Inspector Comment | | | | | |
| There is an abandoned uninstalled pipe on waterside. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_59_20191107_00087.jpg



View of abandoned uninstalled pipe on the waterside toe (Fall 2019).

| | | | | | |
|--|---------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.17 | Rating ** | M | Issue No. | 17 |
| LM End | 3.28 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 USACE Erosion Survey | | | 38.224850° | 38.223233° |
| | | | | -121.555641° | -121.555687° |
| DWR ID | DWR_RD0556_02_f_2018_17 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| 2017 Site ID: SAC 23.2 L Status: Eroding 2017 Field Notes: New erosion along lower bank. Site History: 2000 - Recently fallen cottonwood at the downstream end. 2005 - Empty brush boxes. 2011 - A few trees have fallen since last year. 2012 - Potential new tree popout since last year. 2013 - New erosion at downstream end of site and a recent tree pop-out observed. 2016 - New erosion at the toe. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_17_20190826_00005.jpg



USACE 2013 Photo #1

| | | |
|--|---|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.29 | Rating ** | M | Issue No. | 85 |
| LM End | 3.29 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.222995° | 38.222995° |
| | | | | -121.555433° | -121.555433° |
| DWR ID | DWR_RD0556_02_f_2019_85 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|----------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.51 | Rating ** | M | Issue No. | 98 |
| LM End | 3.51 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.219851° | 38.219851° |
| | | | | -121.556129° | -121.556129° |
| DWR ID | 20863 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:20863 FS_ID:12527 EP_NO: 11181 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs to fix siphon breaker FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 4.8 feet below the crown. Steel walkway to the pump on a pile structure in the river. Siphon breaker on the waterside (WS). Service pole on the landside (LS) slope. Concrete spill box with two 15-inch openings on the LS. (Retention of a 10-inch pipe through the levee, 4.8 feet below the crown, a steel walkway to the pump on a pile structure in the river, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11181, 1975 - Robert E. and G. P. Collins). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 58+00), invert elevation 18.2 feet]. FS Date: 4/25/2013 | | | | | |

Photo 1 of 3 : UCIP_FA_2019_12527_20297.jpg



WS- pump, pipe, and walkway on steel structure in the stream.

| | | | |
|--|--|---|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| LM Start | 3.51 | Rating ** | M | Issue No. | 98 (cont) |
|--|----------------------------|--------------|----|------------------------|--------------|
| LM End | 3.51 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.219851° | 38.219851° |
| | | | | -121.556129° | -121.556129° |
| DWR ID | 20863 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:20863 FS_ID:12527 EP_NO: 11181 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs to fix siphon breaker FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 4.8 feet below the crown. Steel walkway to the pump on a pile structure in the river. Siphon breaker on the waterside (WS). Service pole on the landside (LS) slope. Concrete spill box with two 15-inch openings on the LS. (Retention of a 10-inch pipe through the levee, 4.8 feet below the crown, a steel walkway to the pump on a pile structure in the river, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11181, 1975 - Robert E. and G. P. Collins). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 58+00), invert elevation 18.2 feet]. FS Date: 4/25/2013 | | | | | |

Photo 2 of 3 : UCIP_FA_2019_12527_20296.jpg



WS- siphon breaker and abandoned CMP riser laying adjacent to it.

| LM Start | 3.51 | Rating ** | M | Issue No. | 98 (cont) |
|----------|------|--------------|----|------------|-----------|
| LM End | 3.51 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2019_12527_20295.jpg



WS- siphon breaker on levee slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.54 | Rating ** | M | Issue No. | 78 |
| LM End | 3.54 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.219407° | 38.219407° |
| | | | | -121.556280° | -121.556280° |
| DWR ID | DWR_RD0556_02_f_2018_78 | | | | |
| Comment Code | | | | | |
| ST : Stairway | | | | | |
| Inspector Comment | | | | | |
| Stairs encroaching into slope do not have a permit. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_78_20190826_00041.jpg



View of stairs on waterside slope (October 2018).

| | | | | | |
|--|-------------------------|--------------|-----|------------------------|--------------|
| LM Start | 3.57 | Rating ** | A/W | Issue No. | 23 |
| LM End | 3.95 | Issue Type + | Ob | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 Storm Damage | | | 38.218950° | 38.213490° |
| | | | | -121.556300° | -121.556850° |
| DWR ID | DWR_RD0556_02_R_2012_03 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| Levee Evaluation Comments | | | | | |
| Description: | | | | | |
| Site ID No:68 | | | | | |
| Site Designation:DWR_RD0556_02_R_2012_03 | | | | | |
| Repair Type: Seepage | | | | | |
| Rating: | | | | | |
| Field Date: | | | | | |
| Notes: | | | | | |

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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|-------------------------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.68 | Rating ** | M | Issue No. | 63 |
| LM End | 3.68 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.217462° | 38.217462° |
| | | | | -121.556647° | -121.556647° |
| DWR ID | DWR_RD0556_02_f_2019_63 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| Erosion on the waterside shoulder. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_63_20191107_00088.jpg



View of erosion on the waterside shoulder (Fall 2019).

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.83 | Rating ** | U | Issue No. | 84 |
| LM End | 3.87 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.215223° | 38.214688° |
| | | | | -121.556903° | -121.556868° |
| DWR ID | DWR_RD0556_02_f_2018_84 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_84_20191107_00097.jpg



View looking upstream at thick trees on the landside slope (Fall 2019).

| | | |
|--|---|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|---|---------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.95 | Rating ** | M | Issue No. | 15 |
| LM End | 4.12 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 USACE Erosion Survey | | | 38.213581° | 38.211112° |
| | | | | -121.557197° | -121.557042° |
| DWR ID | DWR_RD0556_02_f_2018_15 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| 2017 Site ID: SAC 22.5 L Status: Eroding 2017 Field Notes: New lower bank erosion at the upstream end. Locals placed rock in some erosion pockets. Site History: 2002 - Spot rock along berm, but not in the erosion pockets. 2005 - Some new minor stone revetment at the upstream end. Brush boxes present. 2006 - Currently installing new brush in downstream brush boxes. 2007 - Rock in middle portion for about 150 ft. 2010 - Some attempt at repairs but still has pockets of erosion. 2012 - More erosion along the toe. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_15_20190826_00003.jpg



USACE 2013 Photo #1

| | | | | | |
|--|----------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.99 | Rating ** | M | Issue No. | 99 |
| LM End | 3.99 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.213031° | 38.213031° |
| | | | | -121.556800° | -121.556800° |
| DWR ID | 20864 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:20864 FS_ID:12543 EP_NO: 11197 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Electric control panel in pump house.Needs cleaning of CMP riser on landside. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, 6.5 feet below the crown. Slant pump on a steel pile structure in the river. Walkway to the pump. Gate valve in a pump house on the waterside (WS) slope. Siphon breaker and service poles on the landside (LS) slope. Concrete standpipe on the LS. (Retention of a 6-inch pipe through the levee, 6.5 feet below the crown, a pump and a gate valve in a pump house on the WS slope, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11197, 1975 - Richard T. and Mary B. Souza). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 32+40), invert elevation 18.1 feet]. FS Date: 4/25/2013 | | | | | |

Photo 1 of 3 : UCIP_FA_2019_12543_20302.jpg



WS- pipe and pump on steel pile structure. Steel walkway from pump house to the pump on steel structure.

| | | | |
|--|--|---|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 4.01 | Rating ** | U | Issue No. | 52 |
| LM End | 5.02 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.212662° | 38.198213° |
| | | | | -121.556808° | -121.558407° |
| DWR ID | DWR_RD0556_02_s_2018_52 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Blackberries are located at the landside toe. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_52_20191107_00096.jpg



View of vegetation on the landside slope. Weeds are obscuring the large blackberry vines at the landside toe (Fall 2019).

| | | | | | |
|--|----------------------------|--------------|----|------------------------|--------------|
| LM Start | 4.26 | Rating ** | M | Issue No. | 100 |
| LM End | 4.26 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.209117° | 38.209117° |
| | | | | -121.556803° | -121.556803° |
| DWR ID | 20865 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:20865 FS_ID:12545 EP_NO: 11194 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - CMP riser found abandoned on LS slope. Due to dense vegetation siphon breaker could not be found.- Dense vegetation on both sides of the levee.- Oil leaks from pump set. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, 6.7 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. Siphon breaker on the landside (LS) slope. (Retention of an 8-inch pipe through the levee, 6.7 feet below the crown, a pump and a gate valve in a pump house on the WS slope, and a siphon breaker on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11194, 1975 - Gerald E. and William M. Robinson, et al.). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 18+20), invert elevation 18 feet]. FS Date: 4/25/2013 | | | | | |

Photo 1 of 3 : UCIP_FA_2019_12545_20310.jpg



WS- pump house not visible due to the dense 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|--|----------------------------|--------------|----|------------------------|-------------------|
| LM Start | 4.26 | Rating ** | M | Issue No. | 100 (cont) |
| LM End | 4.26 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.209117° | 38.209117° |
| | | | | -121.556803° | -121.556803° |
| DWR ID | 20865 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:20865 FS_ID:12545 EP_NO: 11194 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - CMP riser found abandoned on LS slope. Due to dense vegetation siphon breaker could not be found.- Dense vegetation on both sides of the levee.- Oil leaks from pump set. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, 6.7 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. Siphon breaker on the landside (LS) slope. (Retention of an 8-inch pipe through the levee, 6.7 feet below the crown, a pump and a gate valve in a pump house on the WS slope, and a siphon breaker on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11194, 1975 - Gerald E. and William M. Robinson, et al.). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 18+20), invert elevation 18 feet]. FS Date: 4/25/2013 | | | | | |

Photo 2 of 3 : UCIP_FA_2019_12545_20309.jpg



WS- pump house inside the dense vegetation.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 4.26 | Rating ** | M | Issue No. | 100 (cont) |
| LM End | 4.26 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2019_12545_20308.jpg



WS- pump, gate valve and pipe in pump house.

| | | | |
|--|--|---|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|---|-------------------------|--------------|-----------|------------------------|--------------|
| LM Start | 4.41 | Rating ** | C | Issue No. | 55 |
| LM End | 4.41 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.206922° | 38.206922° |
| | | | | -121.556837° | -121.556837° |
| DWR ID | DWR_RD0556_02_s_2018_55 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|-----------|------------------------|--------------|
| LM Start | 4.41 | Rating ** | U | Issue No. | 36 |
| LM End | 4.44 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.206832° | 38.206418° |
| | | | | -121.556783° | -121.556770° |
| DWR ID | DWR_RD0556_02_f_2017_36 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Oleanders, trees, and other landscaping should be trimmed to allow inspection and access to the landside slope and toe. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_36_20190826_00020.jpg



View of landscaping on the landside.

| | | | | | |
|--|-------------------------|--------------|-----------|------------------------|--------------|
| LM Start | 4.43 | Rating ** | U | Issue No. | 54 |
| LM End | 4.43 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.206628° | 38.206628° |
| | | | | -121.556829° | -121.556829° |
| DWR ID | DWR_RD0556_02_s_2018_54 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove fallen tree and other woody debris on waterside slope | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_54_20191107_00089.jpg



View of fallen tree and limbs on the waterside slope (Fall 2019).

| | | | |
|--|--|--|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|--|---------------------------|--------------|----|------------------------|--------------|
| LM Start | 4.45 | Rating ** | M | Issue No. | 14 |
| LM End | 4.49 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 USACE Erosion Survey | | | 38.206377° | 38.205729° |
| | | | | -121.557184° | -121.557108° |
| DWR ID | DWR_RD0556_02_f_2018_14 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| 2017 Site ID: SAC 21.9 L Status: Eroding 2017 Field Notes: No observed change.. Site History: 2013 - Erosion pockets encroaching on levee foundation. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_14_20190826_00002.jpg



USACE 2013 Photo #1

| | | | | | |
|---|----------------------------|--------------|----|------------------------|--------------|
| LM Start | 4.54 | Rating ** | M | Issue No. | 101 |
| LM End | 4.54 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.204974° | 38.204974° |
| | | | | -121.556789° | -121.556789° |
| DWR ID | 20866 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:20866 FS_ID:12546 EP_NO: 11940 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Abandoned crossing.- Siphon breaker on LS not found due to dense vegetation, - An abandoned CMP riser and service pole found on LS.- It may need to be properly abandoned. FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel irrigation discharge pipe through the levee, 6.7 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. Siphon breaker and service pole on the landside (LS) slope. (Retention of a 6-inch pipe through the levee, 6.5 feet below the crown, a pump and a gate valve in a pump house on the WS slope, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11194, 1975 - Gerald E. and William M. Robinson, et al.). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 2+73), invert elevation 18 feet]. FS Date: 4/25/2013 | | | | | |

Photo 1 of 3 : UCIP_FA_2019_12546_20314.jpg



WS- abandoned pump house on levee slope. Dense vegetation on levee slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|---|----------------------------|--------------|----|------------------------|-------------------|
| LM Start | 4.54 | Rating ** | M | Issue No. | 101 (cont) |
| LM End | 4.54 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.204974 ° | 38.204974 ° |
| | | | | -121.556789 ° | -121.556789 ° |
| DWR ID | 20866 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:20866 FS_ID:12546 EP_NO: 11940 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Abandoned crossing.- Siphon breaker on LS not found due to dense vegetation, - An abandoned CMP riser and service pole found on LS.- It may need to be properly abandoned. FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel irrigation discharge pipe through the levee, 6.7 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. Siphon breaker and service pole on the landside (LS) slope. (Retention of a 6-inch pipe through the levee, 6.5 feet below the crown, a pump and a gate valve in a pump house on the WS slope, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11194, 1975 - Gerald E. and William M. Robinson, et al.). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""J"" 2+73), invert elevation 18 feet]. FS Date: 4/25/2013 | | | | | |

Photo 2 of 3 : UCIP_FA_2019_12546_20313.jpg



WS- pipe daylight from levee slope to pump house.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 4.54 | Rating ** | M | Issue No. | 101 (cont) |
| LM End | 4.54 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2019_12546_20315.jpg



WS- abandoned gate valve, pump, and pipe in pump house

| | | | |
|--|--|---|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 4.56 | Rating ** | U | Issue No. | 56 |
| LM End | 4.56 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.204666° | 38.204666° |
| | | | | -121.556813° | -121.556813° |
| DWR ID | DWR_RD0556_02_s_2018_56 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove dead tree/limb from the landside. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_56_20190826_00033.jpg



Fallen tree on landside should be removed.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 4.63 | Rating ** | M | Issue No. | 38 |
| LM End | 4.84 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.203693° | 38.200593° |
| | | | | -121.556683° | -121.557208° |
| DWR ID | DWR_RD0556_02_s_2012_38 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| Remove this old fence from the levee section landside. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_38_20190826_00022.jpg



View of old fence posts on landside slope (October 2018).

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 4.64 | Rating ** | U | Issue No. | 58 |
| LM End | 4.64 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.203480° | 38.203480° |
| | | | | -121.556824° | -121.556824° |
| DWR ID | DWR_RD0556_02_s_2018_58 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Remove fig tree from the landside slope. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_58_20190826_00034.jpg



View of fig tree on landside slope (October 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.65 | Rating ** | M | Issue No. | 27 |
| LM End | 4.65 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.203425 ° | 38.203425 ° |
| | | | | -121.556845 ° | -121.556845 ° |
| DWR ID | DWR_RD0556_02_s_2017_27 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove fallen tree from waterside slope. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_27_20190826_00012.jpg



View of fallen tree on the waterside slope (October 2018).

| | | | | | |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.73 | Rating ** | M | Issue No. | 102 |
| LM End | 4.73 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.202301 ° | 38.202301 ° |
| | | | | -121.556952 ° | -121.556952 ° |
| DWR ID | 20867 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:20867 FS_ID:12547 EP_NO: 11199 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: - pump, gate valve and pumphouse not found on waterward slope.- an abandoned electric control panel found on WS.- may need to be properly abandoned. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, 6.5 feet below the crown. Siphon and concrete spill box with two 8-inch openings. (Retention of a 6-inch pipe through the levee, 6.5 feet below the crown, a pump and a gate valve in a pump house on the waterside [WS] slope, and a siphon breaker and a service pole on the landside [LS] slope authorized under Automatic Board Order (ABO) issued as Permit No. 11199, 1975 - Toshi Tokuyoshi, et al.). [Additional Reference(s): DWR Levee Log. USACE Sacramento O&M Manual 103, June 1954, (Station ""H"" 159+97), invert elevation 17.9 feet]. FS Date: 4/25/2013 | | | | | |

Photo 1 of 3 : UCIP_FA_2019_12547_20320.jpg



LS- obstructed siphon breaker in CMP riser on levee slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 4.79 | Rating ** | M | Issue No. | 60 |
| LM End | 4.79 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.201402° | 38.201402° |
| | | | | -121.557108° | -121.557108° |
| DWR ID | DWR_RD0556_02_s_2018_60 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Remove cactus before more can become established. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_60_20190826_00035.jpg



View of cactus on the landside slope (October 2018).

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 4.82 | Rating ** | U | Issue No. | 61 |
| LM End | 4.82 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.201002° | 38.201002° |
| | | | | -121.557170° | -121.557170° |
| DWR ID | DWR_RD0556_02_s_2018_61 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Landside bamboo should be removed to allow inspection and access. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_61_20190826_00036.jpg



View of landside bamboo.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 4.94 | Rating ** | M | Issue No. | 83 |
| LM End | 4.94 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.199282° | 38.199282° |
| | | | | -121.557835° | -121.557835° |
| DWR ID | DWR_RD0556_02_f_2018_83 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|---|----------------------------|--------------|----|------------------------|-------------------|
| LM Start | 4.95 | Rating ** | M | Issue No. | 103 (cont) |
| LM End | 4.95 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.199133° | 38.199133° |
| | | | | -121.557939° | -121.557939° |
| DWR ID | 20868 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| DS_ID:20868 FS_ID:12564 EP_NO: 11191 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs to fix CMP riser. FIELD_STRUCT_DESC: 8-inch irrigation discharge pipe of an unknown material through the levee, 5.7 feet below the crown. Pump on the waterside (WS) slope. Gate valve on the WS berm. Siphon breaker and service pole on the landside (LS) slope. (Retention of an 8-inch pipe through the levee, 5.7 feet below the crown, a pump on the WS slope, a gate valve on the WS berm, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11191, 1975 - Pacific Fruit Exchange). [Additional Reference(s): DWR Levee Log]. FS Date: 4/25/2013 | | | | | |

Photo 3 of 3 : UCIP_FA_2019_12564_20351.jpg



WS- closer look at pump, pipe and gate valve in pump house.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 5.08 | Rating ** | U | Issue No. | 37 |
| LM End | 5.16 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.197407° | 38.196388° |
| | | | | -121.558950° | -121.559558° |
| DWR ID | DWR_RD0556_02_f_2017_37 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Remove large cactus to allow inspection and access to the landside slope and toe. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_37_20191107_00095.jpg



View looking upstream at cactus on the landside slope (Fall 2019).

| | | | |
|--|--|---|---|
| * 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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|--|----------------------------|--------------|----|------------------------|-------------------|
| LM Start | 5.21 | Rating ** | U | Issue No. | 104 (cont) |
| LM End | 5.21 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DRAFT DWR UCIP Field Study | | | 38.195755° | 38.195755° |
| | | | | -121.560078° | -121.560078° |
| DWR ID | 20869 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| <p>DS_ID:20869 FS_ID:52733 EP_NO: 11185 Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/12/2018 Pit on WS is covered with plywood. Water pump is running, no leaks detected. LS part of crossing was reconstructed. New pipe was installed after CMP riser to supply water to sand filters. Remains Urgent due to large pit on WS that needs to be backfilled. (O.Yakimov-DWR UCIP)04/25/2013 Large pit on levee berm. FIELD_STRUCT_DESC: 8-inch irrigation discharge pipe of an unknown material through the levee, 5.7 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. Siphon breaker, concrete box, and service pole on the landside (LS) slope. (Retention of an 8-inch pipe through the levee, 5.7 feet below the crown, a pump and a gate valve in a pump house on the WS slope, and a siphon breaker and a service pole on the LS slope authorized under Automatic Board Order (ABO) issued as Permit No. 11185, 1975 - R. Walter Langhart). [Additional Reference(s): DWR Levee Log]. FS Date: 7/13/2018</p> | | | | | |

Photo 3 of 3 : UCIP_FA_2019_52733_20366.jpg



WS- electric conduit daylight near pump house.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 5.31 | Rating ** | M | Issue No. | 64 |
| LM End | 5.31 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.194713° | 38.194713° |
| | | | | -121.561177° | -121.561177° |
| DWR ID | DWR_RD0556_02_f_2019_64 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|---|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 5.35 | Rating ** | U | Issue No. | 69 |
| LM End | 5.35 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Encroachments | | 38.194337° | 38.194337° | |
| | | | -121.561698° | -121.561698° | |
| DWR ID | DWR_RD0556_02_f_2019_69 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove fallen tree limbs from the waterside shoulder. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_69_20191107_00090.jpg



View of large fallen tree limbs on the waterside shoulder. Leaves are obscuring the largest branches (Fall 2019).

| | | | | | |
|---|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 5.40 | Rating ** | U | Issue No. | 31 |
| LM End | 5.44 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.193760° | 38.193445° | |
| | | | -121.562458° | -121.562895° | |
| DWR ID | DWR_RD0556_02_s_2012_31 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Remove cactus and thin oleanders to allow view down landside slope. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_31_20191107_00094.jpg



View looking upstream at landscaping on the landside shoulder (Fall 2019).

| | | | | | |
|--|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 5.46 | Rating ** | M | Issue No. | 73 |
| LM End | 5.46 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Encroachments | | 38.193302° | 38.193302° | |
| | | | -121.563328° | -121.563328° | |
| DWR ID | DWR_RD0556_02_f_2019_73 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove fallen tree limb from waterside shoulder. | | | | | |

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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.50 | Rating ** | M | Issue No. | 81 |
| LM End | 5.56 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.192910 ° | 38.192550 ° |
| | | | | -121.563913 ° | -121.564972 ° |
| DWR ID | DWR_RD0556_02_f_2019_81 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Blackberries at landside toe need removal. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_81_20191107_00093.jpg



View looking downstream at blackberries at the landside toe (Fall 2019).

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.53 | Rating ** | U | Issue No. | 74 |
| LM End | 5.53 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.192803 ° | 38.192803 ° |
| | | | | -121.564388 ° | -121.564388 ° |
| DWR ID | DWR_RD0556_02_f_2019_74 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove fallen tree from the waterside slope. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_74_20191107_00091.jpg



View of large fallen tree on the waterside slope (Fall 2019).

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.56 | Rating ** | M | Issue No. | 75 |
| LM End | 5.56 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.192623 ° | 38.192623 ° |
| | | | | -121.564928 ° | -121.564928 ° |
| DWR ID | DWR_RD0556_02_f_2019_75 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Down tree limb hanging over waterside slope needs removal. | | | | | |

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 2019

Reclamation District No. 0556 Upper Andrus

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 02 Sacramento River | Left | 5.72 | 11/05/2019 11/05/2019 | David Julian |

| | | | | | |
|----------------------------------|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 5.58 | Rating ** | A/W | Issue No. | 80 |
| LM End | 5.72 | Issue Type + | Ob | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.192530° | 38.191865° | |
| | | | -121.565352° | -121.567757° | |
| DWR ID | DWR_RD0556_02_f_2019_80 | | | | |
| Comment Code | | | | | |
| V8 : Environmental Requirements. | | | | | |
| Inspector Comment | | | | | |
| This is a DWR Revegetation Site. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_80_20191107_00092.jpg



View of environmental mitigation sign on the waterside slope. The sign is mostly obscured by vegetation (Fall 2019).

| | | | | | |
|---|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 5.64 | Rating ** | U | Issue No. | 79 |
| LM End | 5.64 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Animal Control | | 38.192237° | 38.192237° | |
| | | | -121.566368° | -121.566368° | |
| DWR ID | DWR_RD0556_02_f_2018_79 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| More than 2 cubic feet of soil was removed between the two large burrow holes. | | | | | |

Photo 1 of 1 : FA_2019_RD0556_19_79_20190826_00042.jpg



View looking upstream at burrow holes on landside slope. (October 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 |
|--|---|---|