

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2019 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

| <b>RD1600</b>                             | Overall LMA Rating     | Total LMA Miles |              |             |             |         |                              |         |
|---|------------------------|-----------------|--------------|-------------|-------------|---------|------------------------------|---------|
| <b>Reclamation District No. 1600 Mull</b> | <b>U</b>               | <b>14.69</b>    |              |             |             |         |                              |         |
| 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                                | 0.63                   |                 | 0.63         | 4.29%       |             |         |                              |         |
| Trim / Thin Trees                         | 0.01                   |                 | 0.01         | 0.07%       |             |         |                              |         |
| Encroachments                             | 0.15                   |                 | 0.15         | 1.02%       | 0.11        |         |                              |         |
| Animal Control                            | 0.01                   | 0.01            | 0.05         | 0.34%       |             |         |                              |         |
| Slope Stability                           | 0.02                   | 0.06            | 0.26         | 1.77%       |             |         |                              |         |
| Erosion / Bank Caving                     | 0.05                   |                 | 0.05         | 0.34%       |             |         |                              |         |
| Cracking                                  | 0.03                   |                 | 0.03         | 0.20%       |             |         |                              |         |
| <i>Supplemental</i>                       |                        |                 |              |             |             |         |                              |         |
| 2017 USACE Erosion Survey                 | 1.18                   |                 | 1.18         | 8.03%       |             |         |                              |         |
| DRAFT DWR UCIP Field Study                |                        |                 |              |             | 0.10        | 0.01    |                              |         |
| 2017 Storm Damage                         | 0.96                   |                 | 0.96         | 6.53%       |             |         |                              |         |
| <i>LMA Totals:</i>                        | 3.04                   | 0.07            | 3.32         | 22.60%      | 0.21        | 0.01    | 0.00                         | 0.00    |

| <b>Unit No. 01 Sacramento River RB</b> | Overall Unit Rating    | Total Unit Miles |              |             |             |         |                              |         |
|--|------------------------|------------------|--------------|-------------|-------------|---------|------------------------------|---------|
| <b>RD1600</b>                          | <b>M</b>               | <b>10.46</b>     |              |             |             |         |                              |         |
| 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                             | 0.63                   |                  | 0.63         | 6.02%       |             |         |                              |         |
| Trim / Thin Trees                      | 0.01                   |                  | 0.01         | 0.10%       |             |         |                              |         |
| Encroachments                          | 0.14                   |                  | 0.14         | 1.34%       | 0.11        |         |                              |         |
| Animal Control                         | 0.01                   | 0.01             | 0.05         | 0.48%       |             |         |                              |         |
| Slope Stability                        | 0.01                   |                  | 0.01         | 0.10%       |             |         |                              |         |
| Erosion / Bank Caving                  | 0.05                   |                  | 0.05         | 0.48%       |             |         |                              |         |
| <i>Supplemental</i>                    |                        |                  |              |             |             |         |                              |         |
| 2017 USACE Erosion Survey              | 1.18                   |                  | 1.18         | 11.28%      |             |         |                              |         |
| DRAFT DWR UCIP Field Study             |                        |                  |              |             | 0.09        | 0.01    |                              |         |
| <i>Unit Totals:</i>                    | 2.03                   | 0.01             | 2.07         | 19.79%      | 0.20        | 0.01    | 0.00                         | 0.00    |

| <b>Unit No. 02 Yolo Bypass LB</b> | Overall Unit Rating    | Total Unit Miles |              |             |             |         |                              |         |
|-----------------------------------|------------------------|------------------|--------------|-------------|-------------|---------|------------------------------|---------|
| <b>RD1600</b>                     | <b>U</b>               | <b>4.23</b>      |              |             |             |         |                              |         |
| Rated Item                        | Maintenance Deficiency |                  |              |             | Enforcement |         | Design & System Obsolescence |         |
|                                   | M Miles                | U Miles          | M + 4U Miles | Threshold % | M Miles     | U Miles | M Miles                      | U Miles |
| <i>Earthen Levee</i>              |                        |                  |              |             |             |         |                              |         |
| Encroachments                     | 0.01                   |                  | 0.01         | 0.24%       |             |         |                              |         |
| Slope Stability                   | 0.01                   | 0.06             | 0.25         | 5.91%       |             |         |                              |         |
| Cracking                          | 0.03                   |                  | 0.03         | 0.71%       |             |         |                              |         |
| <i>Supplemental</i>               |                        |                  |              |             |             |         |                              |         |
| DRAFT DWR UCIP Field Study        |                        |                  |              |             | 0.01        |         |                              |         |
| 2017 Storm Damage                 | 0.96                   |                  | 0.96         | 22.68%      |             |         |                              |         |
| <i>Unit Totals:</i>               | 1.01                   | 0.06             | 1.25         | 29.53%      | 0.01        | 0.00    | 0.00                         | 0.00    |

**Flood Control Project Maintenance  
Levee Inspections****LMA District Cover Sheet****Fall 2019 Levee Inspection Results****Reclamation District No. 1600 Mull**

|                                  | Spring<br>(March - May) | Summer **<br>(June - August) | Fall<br>(September - November) | Winter **<br>(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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2019 Levee Inspection Results**

**Reclamation District No. 1600 Mull**

| Waterway                               |                         |                           | Bank                           | Unit Miles                      |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 01 Sacramento River           |                         |                           | Right                          | 10.46                           |
|  | Spring<br>(March - May) | Summer<br>(June - August) | (September - November)<br>Fall | Winter<br>(December - February) |
| Unit Maintenance Rating<br>(Fall Only) |                         |                           | <b>M</b>                       |                                 |
| Date of Inspection                     | 3/5/2019 - 3/7/2019     |                           | 11/5/2019 - 11/5/2019          |                                 |
| DWR Inspector                          | Zach Jojola             |                           | Zach Jojola                    |                                 |
| Accompanied By                         | Alberto De Leon<br>DWR  |                           |                                |                                 |

**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. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach<br>Jojola |

|  |                                  |              |    |                        |     |
|--|----------------------------------|--------------|----|------------------------|-----|
| LM Start                               |                                  | Rating **    | A  | Issue No.              | 32  |
| LM End                                 |                                  | Issue Type + | Ma | Location *             | N/A |
| Category                               | Earthen Levee                    |              |    | GPS Latitude/Longitude |     |
|  |                                  |              |    | Start                  | End |
| Item                                   | Operations & Maintenance Manuals |              |    | °                      | °   |
| DWR ID                                 | DWR_RD1600_01_s _ 2013_32        |              |    |                        |     |
| Comment Code                           |                                  |              |    |                        |     |
|  |                                  |              |    |                        |     |
| Inspector Comment                      |                                  |              |    |                        |     |
| RD 1600 has copies of the O&M manuals. |                                  |              |    |                        |     |

No Photos

|   |                                |              |    |                        |     |
|---|--------------------------------|--------------|----|------------------------|-----|
| LM Start  |                                | Rating **    | A  | Issue No.              | 33  |
| LM End  |                                | Issue Type + | Ma | Location *             | N/A |
| Category  | Earthen Levee                  |              |    | GPS Latitude/Longitude |     |
|   |                                |              |    | Start                  | End |
| Item  | Emergency Supplies & Equipment |              |    | °                      | °   |
| DWR ID  | DWR_RD1600_01_s _ 2019_33      |              |    |                        |     |
| Comment Code  |                                |              |    |                        |     |
|   |                                |              |    |                        |     |
| Inspector Comment   |                                |              |    |                        |     |
| RD 1600 maintains a stockpile of flood response material. |                                |              |    |                        |     |

No Photos

|  |                               |              |    |                        |     |
|--|-------------------------------|--------------|----|------------------------|-----|
| LM Start   |                               | Rating **    | A  | Issue No.              | 34  |
| LM End   |                               | Issue Type + | Ma | Location *             | N/A |
| Category   | Earthen Levee                 |              |    | GPS Latitude/Longitude |     |
|  |                               |              |    | Start                  | End |
| Item   | Flood Preparedness & Training |              |    | °                      | °   |
| DWR ID   | DWR_RD1600_01_s _ 2013_34     |              |    |                        |     |
| Comment Code   |                               |              |    |                        |     |
|  |                               |              |    |                        |     |
| Inspector Comment  |                               |              |    |                        |     |
| RD 1600 has a written flood response plan and flood response training. |                               |              |    |                        |     |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|                   |                          |              |    |                        |               |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start          | 0.10                     | Rating **    | M  | Issue No.              | 129           |
| LM End            | 0.10                     | Issue Type + | En | Location *             | WS            |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                   |                          |              |    | Start                  | End           |
| Item              | Encroachments            |              |    | 38.676467 °            | 38.676467 °   |
|                   |                          |              |    | -121.631217 °          | -121.631217 ° |
| DWR ID            | DWR_RD1600_01_f_2013_129 |              |    |                        |               |
| Comment Code      |                          |              |    |                        |               |
| BU : Building     |                          |              |    |                        |               |
| Inspector Comment |                          |              |    |                        |               |
| Well pump house.  |                          |              |    |                        |               |

Photo 1 of 2 : FA\_2019\_RD1600\_191\_129\_20190829\_00027.jpg



The small building is a pump house for the well. It services the house with water. Fall 2013

|          |             |              |    |            |                   |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | <b>0.10</b> | Rating **    | M  | Issue No.  | <b>129 (cont)</b> |
| LM End   | <b>0.10</b> | Issue Type + | En | Location * | WS                |

Photo 2 of 2 : FA\_2019\_RD1600\_191\_129\_20190829\_00028.jpg



View of the building. Fall 2016.

|   |                        |              |     |                        |    |               |
|---|------------------------|--------------|-----|------------------------|----|---------------|
| LM Start  | 0.11                   | Rating **    | A/W | Issue No.              | 1  |               |
| LM End  | 0.11                   | Issue Type + | Ma  | Location *             | WS |               |
| Category  | Earthen Levee          |              |     | GPS Latitude/Longitude |    |               |
|   |                        |              |     | Start                  |    | End           |
| Item  | Erosion / Bank Caving  |              |     | 38.676524 °            |    | 38.676524 °   |
|   |                        |              |     | -121.631243 °          |    | -121.631243 ° |
| DWR ID  | DWR_RD1600_01_f_2018_1 |              |     |                        |    |               |
| Comment Code  |                        |              |     |                        |    |               |
| E1 : Note and monitor erosion site.   |                        |              |     |                        |    |               |
| Inspector Comment   |                        |              |     |                        |    |               |
| Rills forming on overbuilt section of levee. Not within the prism.<br>Recommend monitoring. |                        |              |     |                        |    |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|   |                           |              |     |                        |               |
|---|---------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 0.11                      | Rating **    | A/W | Issue No.              | 38            |
| LM End  | 0.11                      | Issue Type + | Ma  | Location *             | LS            |
| Category  | Earthen Levee             |              |     | GPS Latitude/Longitude |               |
|   |                           |              |     | Start                  | End           |
| Item  | Slope Stability           |              |     | 38.676524 °            | 38.676524 °   |
|   |                           |              |     | -121.631245 °          | -121.631245 ° |
| DWR ID  | DWR_RD1600_01_f _ 2018_38 |              |     |                        |               |
| Comment Code  |                           |              |     |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                           |              |     |                        |               |
| Inspector Comment   |                           |              |     |                        |               |
| Vehicle ruts on the landside slope.   |                           |              |     |                        |               |

Photo 1 of 1 : FA\_2019\_RD1600\_191\_38\_20190829\_00016.jpg



View of ruts on the landside slope. Fall 2018.

|                                  |                         |              |     |                        |               |
|----------------------------------|-------------------------|--------------|-----|------------------------|---------------|
| LM Start                         | 0.11                    | Rating **    | A/W | Issue No.              | 49            |
| LM End                           | 0.23                    | Issue Type + | Ob  | Location *             | WS            |
| Category                         | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|                                  |                         |              |     | Start                  | End           |
| Item                             | Vegetation              |              |     | 38.676577 °            | 38.678131 °   |
|                                  |                         |              |     | -121.631290 °          | -121.632324 ° |
| DWR ID                           | DWR_RD1600_01_s_2012_49 |              |     |                        |               |
| Comment Code                     |                         |              |     |                        |               |
| V8 : Environmental Requirements. |                         |              |     |                        |               |
| Inspector Comment                |                         |              |     |                        |               |
|                                  |                         |              |     |                        |               |

Photo 1 of 2 : FA\_2019\_RD1600\_191\_49\_20190829\_00020.jpg



Sign stating revegetation site. Spring 2016.

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>0.11</b> | Rating **    | A/W | Issue No.  | <b>49 (cont)</b> |
| LM End   | <b>0.23</b> | Issue Type + | Ob  | Location * | WS               |

Photo 2 of 2 : FA\_2019\_RD1600\_191\_49\_20190829\_00021.jpg



View of the revegetation site and fence on the waterward side of the levee looking upstream. Spring 2016.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|   |                            |              |    |                        |               |  |
|---|----------------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 0.13                       | Rating **    | M  | Issue No.              | 1203          |  |
| LM End  | 0.13                       | Issue Type + | En | Location *             |               |  |
| Category  | Supplemental               |              |    | GPS Latitude/Longitude |               |  |
|   |                            |              |    | Start                  | End           |  |
| Item  | DRAFT DWR UCIP Field Study |              |    | 38.676802 °            | 38.676802 °   |  |
|   |                            |              |    | -121.631442 °          | -121.631442 ° |  |
| DWR ID  | 21459                      |              |    |                        |               |  |
| Comment Code  |                            |              |    |                        |               |  |
|   |                            |              |    |                        |               |  |
| Inspector Comment   |                            |              |    |                        |               |  |
| DS_ID:21459   |                            |              |    |                        |               |  |
| FS_ID:15087   |                            |              |    |                        |               |  |
| EP_NO: 1929   |                            |              |    |                        |               |  |
| Repair Type: Non-Urgent   |                            |              |    |                        |               |  |
| Crossing Status: Indicator Found  |                            |              |    |                        |               |  |
| UCIP Comments: Line should be located with carsonite signs on both sides of levee.  |                            |              |    |                        |               |  |
| FIELD_STRUCT_DESC: Telephone conduit of an unknown size or material through the levee, 3 feet below the crown. Telephone line at joint pole (JP) off the landside (LS) toe. (Permit No. 1929, 1954 - Pacific Telephone and Telegraph Company [PT&T]). [Additional Reference(s): DWR Levee Log, 1988]. |                            |              |    |                        |               |  |
| FS Date: 6/18/2013  |                            |              |    |                        |               |  |

Photo 1 of 1 : UCIP\_FA\_2019\_15087\_24812.jpg



Line visible on JP off LS toe. Likely this is the source of crossing.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.34                    | Rating **    | M  | Issue No.              | 27            |
| LM End   | 0.37                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.679590 °            | 38.680014 °   |
|  |                         |              |    | -121.633125 °          | -121.633341 ° |
| DWR ID   | DWR_RD1600_01_f_2019_27 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
|  |                         |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|                                     |                         |              |     |                        |              |
|-------------------------------------|-------------------------|--------------|-----|------------------------|--------------|
| LM Start                            | 0.46                    | Rating **    | A/W | Issue No.              | 42           |
| LM End                              | 0.46                    | Issue Type + | Ma  | Location *             | LS           |
| Category                            | Earthen Levee           |              |     | GPS Latitude/Longitude |              |
|                                     |                         |              |     | Start                  | End          |
| Item                                | Erosion / Bank Caving   |              |     | 38.681232°             | 38.681232°   |
|                                     |                         |              |     | -121.633757°           | -121.633757° |
| DWR ID                              | DWR_RD1600_01_f_2018_42 |              |     |                        |              |
| Comment Code                        |                         |              |     |                        |              |
| E1 : Note and monitor erosion site. |                         |              |     |                        |              |
| Inspector Comment                   |                         |              |     |                        |              |
|                                     |                         |              |     |                        |              |

No Photos

|   |                         |              |    |                        |              |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start  | 0.52                    | Rating **    | M  | Issue No.              | 44           |
| LM End  | 0.52                    | Issue Type + | En | Location *             | CR           |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|   |                         |              |    | Start                  | End          |
| Item  | Encroachments           |              |    | 38.682046°             | 38.682046°   |
|   |                         |              |    | -121.634064°           | -121.634064° |
| DWR ID  | DWR_RD1600_01_f_2018_44 |              |    |                        |              |
| Comment Code  |                         |              |    |                        |              |
| PO : Pole   |                         |              |    |                        |              |
| Inspector Comment   |                         |              |    |                        |              |
| Telephone pole over the levee crown. Was unable to find permit. |                         |              |    |                        |              |

Photo 1 of 2 : FA\_2019\_RD1600\_191\_44\_20190829\_00018.jpg



View of telephone line over levee crown. Fall 2018.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>0.52</b> | Rating **    | M  | Issue No.  | <b>44 (cont)</b> |
| LM End   | <b>0.52</b> | Issue Type + | En | Location * | CR               |

Photo 2 of 2 : FA\_2019\_RD1600\_191\_44\_20190829\_00019.jpg



View of line running to pole on the other side of County Road 117. Fall 2018.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|  |                          |              |    |                        |              |
|--|--------------------------|--------------|----|------------------------|--------------|
| LM Start   | 0.53                     | Rating **    | M  | Issue No.              | 133          |
| LM End   | 0.53                     | Issue Type + | Ma | Location *             | LS           |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|  |                          |              |    | Start                  | End          |
| Item   | Slope Stability          |              |    | 38.682140°             | 38.682140°   |
|  |                          |              |    | -121.634083°           | -121.634083° |
| DWR ID   | DWR_RD1600_01_f_2013_133 |              |    |                        |              |
| Comment Code   |                          |              |    |                        |              |
| S2 : Repair the levee slope damaged by foot traffic and prevent access where possible. |                          |              |    |                        |              |
| Inspector Comment  |                          |              |    |                        |              |
| There appears to be a footpath and settlement on landside slope over pipe crossing.    |                          |              |    |                        |              |

|          |             |              |    |            |                   |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | <b>0.53</b> | Rating **    | M  | Issue No.  | <b>133 (cont)</b> |
| LM End   | <b>0.53</b> | Issue Type + | Ma | Location * | LS                |

Photo 1 of 2 : FA\_2019\_RD1600\_191\_133\_20191112\_00055.jpg



View of settlement and footpath on landside slope. Fall 2019.

Photo 2 of 2 : FA\_2019\_RD1600\_191\_133\_20190829\_00029.jpg



View of the slope stability site. Fall 2016.

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

# Reclamation District No. 1600 Mull

No Photos

No Photos

Page 7 of 45

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|                                 |                          |              |    |                        |               |
|---------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start                        | 0.78                     | Rating **    | N  | Issue No.              | 624           |
| LM End                          | 0.78                     | Issue Type + | Ma | Location *             | WS            |
| Category                        | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                                 |                          |              |    | Start                  | End           |
| Item                            | Trim / Thin Trees        |              |    | 38.685713 °            | 38.685713 °   |
|                                 |                          |              |    | -121.634985 °          | -121.634985 ° |
| DWR ID                          | DWR_RD1600_01_s_2017_624 |              |    |                        |               |
| Comment Code                    |                          |              |    |                        |               |
| T5 : Tree stumps.               |                          |              |    |                        |               |
| Inspector Comment               |                          |              |    |                        |               |
| Burnt stump on waterside slope. |                          |              |    |                        |               |

Photo 1 of 1 : FA\_2019\_RD1600\_191\_624\_20190829\_00032.jpg



View of burnt tree on waterside slope. Fall 2016.

|   |                         |              |     |                        |               |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 0.88                    | Rating **    | A/W | Issue No.              | 28            |
| LM End  | 0.88                    | Issue Type + | Ma  | Location *             | LS            |
| Category  | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|   |                         |              |     | Start                  | End           |
| Item  | Erosion / Bank Caving   |              |     | 38.687232 °            | 38.687232 °   |
|   |                         |              |     | -121.635194 °          | -121.635194 ° |
| DWR ID  | DWR_RD1600_01_f_2019_28 |              |     |                        |               |
| Comment Code  |                         |              |     |                        |               |
| E1 : Note and monitor erosion site.                   |                         |              |     |                        |               |
| Inspector Comment                                     |                         |              |     |                        |               |
| Minor runoff beginning to form. Recommend monitoring. |                         |              |     |                        |               |

No Photos

|   |                         |              |     |                        |               |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 0.93                    | Rating **    | A/W | Issue No.              | 29            |
| LM End  | 0.93                    | Issue Type + | Ma  | Location *             | LS            |
| Category  | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|   |                         |              |     | Start                  | End           |
| Item  | Erosion / Bank Caving   |              |     | 38.687827 °            | 38.687827 °   |
|   |                         |              |     | -121.635331 °          | -121.635331 ° |
| DWR ID  | DWR_RD1600_01_f_2019_29 |              |     |                        |               |
| Comment Code  |                         |              |     |                        |               |
| E1 : Note and monitor erosion site.                   |                         |              |     |                        |               |
| Inspector Comment                                     |                         |              |     |                        |               |
| Minor runoff beginning to form. Recommend monitoring. |                         |              |     |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|  |                            |              |    |                        |               |  |
|--|----------------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 0.94                       | Rating **    | M  | Issue No.              | 1204          |  |
| LM End   | 0.94                       | Issue Type + | En | Location *             |               |  |
| Category   | Supplemental               |              |    | GPS Latitude/Longitude |               |  |
|  |                            |              |    | Start                  | End           |  |
| Item   | DRAFT DWR UCIP Field Study |              |    | 38.688030 °            | 38.688030 °   |  |
|  |                            |              |    | -121.635367 °          | -121.635367 ° |  |
| DWR ID   | 21463                      |              |    |                        |               |  |
| Comment Code   |                            |              |    |                        |               |  |
|  |                            |              |    |                        |               |  |
| Inspector Comment  |                            |              |    |                        |               |  |
| DS_ID:21463<br>FS_ID:15285<br>EP_NO: 6100<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Gate valve will not open or close.<br>FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 3.4 feet below the crown. Slant pump and gate valve on the waterside (WS) slope. Siphon breaker in a 12-inch steel riser on the landside (LS) shoulder. Filter, booster pump, and butterfly valve on the LS toe. 2.25-inch galvanized iron electrical conduit at the same location. (Permit No. 6100, 1968 - Charles Plumb Jr., replaced 8-inch pipe at same location). [Additional Reference(s): DWR Levee Log, 1988].<br>FS Date: 6/18/2013 |                            |              |    |                        |               |  |

|          |             |              |    |            |                    |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | <b>0.94</b> | Rating **    | M  | Issue No.  | <b>1204 (cont)</b> |
| LM End   | <b>0.94</b> | Issue Type + | En | Location * |                    |

Photo 1 of 3 : UCIP\_FA\_2019\_15285\_25088.jpg



Siphon breaker in steel riser on LS shoulder and concrete standpipe off LS toe.

Photo 2 of 3 : UCIP\_FA\_2019\_15285\_25087.jpg



Pump and gate valve on WS slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|   |                            |              |    |                        |               |  |
|---|----------------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 0.94                       | Rating **    | M  | Issue No.              | 1204 (cont)   |  |
| LM End  | 0.94                       | Issue Type + | En | Location *             |               |  |
| Category  | Supplemental               |              |    | GPS Latitude/Longitude |               |  |
|   |                            |              |    | Start                  | End           |  |
| Item  | DRAFT DWR UCIP Field Study |              |    | 38.688030 °            | 38.688030 °   |  |
|   |                            |              |    | -121.635367 °          | -121.635367 ° |  |
| DWR ID  | 21463                      |              |    |                        |               |  |
| Comment Code  |                            |              |    |                        |               |  |
|   |                            |              |    |                        |               |  |
| Inspector Comment   |                            |              |    |                        |               |  |
| DS_ID:21463   |                            |              |    |                        |               |  |
| FS_ID:15285   |                            |              |    |                        |               |  |
| EP_NO: 6100   |                            |              |    |                        |               |  |
| Repair Type: Non-Urgent   |                            |              |    |                        |               |  |
| Crossing Status: Found  |                            |              |    |                        |               |  |
| UCIP Comments: Gate valve will not open or close.   |                            |              |    |                        |               |  |
| FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 3.4 feet below the crown. Slant pump and gate valve on the waterside (WS) slope. Siphon breaker in a 12-inch steel riser on the landside (LS) shoulder. Filter, booster pump, and butterfly valve on the LS toe. 2.25-inch galvanized iron electrical conduit at the same location. (Permit No. 6100, 1968 - Charles Plumb Jr., replaced 8-inch pipe at same location). [Additional Reference(s): DWR Levee Log, 1988]. |                            |              |    |                        |               |  |
| FS Date: 6/18/2013  |                            |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_FA\_2019\_15285\_25086.jpg



Filters, boost pump, and gate valve down stream from concrete standpipe off LS toe.

|   |                          |              |     |                        |               |
|---|--------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 0.97                     | Rating **    | A/W | Issue No.              | 134           |
| LM End  | 0.97                     | Issue Type + | Ma  | Location *             | LS            |
| Category  | Earthen Levee            |              |     | GPS Latitude/Longitude |               |
|   |                          |              |     | Start                  | End           |
| Item  | Erosion / Bank Caving    |              |     | 38.688454 °            | 38.688454 °   |
|   |                          |              |     | -121.635528 °          | -121.635528 ° |
| DWR ID  | DWR_RD1600_01_f_2013_134 |              |     |                        |               |
| Comment Code  |                          |              |     |                        |               |
| E1 : Note and monitor erosion site.                 |                          |              |     |                        |               |
| Inspector Comment                                   |                          |              |     |                        |               |
| Runoff on the landside slope. Recommend monitoring. |                          |              |     |                        |               |

No Photos

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|                                  |                         |              |     |                        |               |
|----------------------------------|-------------------------|--------------|-----|------------------------|---------------|
| LM Start                         | 1.01                    | Rating **    | A/W | Issue No.              | 22            |
| LM End                           | 1.10                    | Issue Type + | Ma  | Location *             | WS            |
| Category                         | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|                                  |                         |              |     | Start                  | End           |
| Item                             | Vegetation              |              |     | 38.689092 °            | 38.690368 °   |
|                                  |                         |              |     | -121.635616 °          | -121.635669 ° |
| DWR ID                           | DWR_RD1600_01_f_2017_22 |              |     |                        |               |
| Comment Code                     |                         |              |     |                        |               |
| V8 : Environmental Requirements. |                         |              |     |                        |               |
| Inspector Comment                |                         |              |     |                        |               |
|                                  |                         |              |     |                        |               |

Photo 1 of 2 : FA\_2019\_RD1600\_191\_22\_20190829\_00011.jpg



View of the revegetation site at the berm edge on the waterward side of the levee looking upstream. Spring 2016.

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>1.01</b> | Rating **    | A/W | Issue No.  | <b>22 (cont)</b> |
| LM End   | <b>1.10</b> | Issue Type + | Ma  | Location * | WS               |

Photo 2 of 2 : FA\_2019\_RD1600\_191\_22\_20190829\_00012.jpg



Sign stating revegetation site. Spring 2016.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 1.10                    | Rating **    | M  | Issue No.              | 40            |
| LM End   | 1.10                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Erosion / Bank Caving   |              |    | 38.690393 °            | 38.690393 °   |
|  |                         |              |    | -121.635688 °          | -121.635688 ° |
| DWR ID   | DWR_RD1600_01_f_2019_40 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| E2 : Schedule repair of erosion site prior to the next inspection. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Bank caving on the landside slope caused by goats.                 |                         |              |    |                        |               |

Photo 1 of 1 : FA\_2019\_RD1600\_191\_40\_20191112\_00056.jpg



View of bank caving on the landside slope. Fall 2019.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 1.40                   | Rating **    | M  | Issue No.              | 4             |
| LM End   | 1.40                   | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Erosion / Bank Caving  |              |    | 38.694452 °            | 38.694452 °   |
|  |                        |              |    | -121.634292 °          | -121.634292 ° |
| DWR ID   | DWR_RD1600_01_s_2017_4 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| E2 : Schedule repair of erosion site prior to the next inspection. |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Erosion where tire ruts previously were formed.                    |                        |              |    |                        |               |

Photo 1 of 2 : FA\_2019\_RD1600\_191\_4\_20191112\_00057.jpg



View of erosion on the landside slope. Fall 2019.

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>1.40</b> | Rating **    | M  | Issue No.  | <b>4 (cont)</b> |
| LM End   | <b>1.40</b> | Issue Type + | Ma | Location * | LS              |

Photo 2 of 2 : FA\_2019\_RD1600\_191\_4\_20190829\_00001.jpg



View of the slope stability caused by vehicles on the landward side of the levee looking upstream. Fall 2015.

|                                  |                        |              |     |                        |               |
|----------------------------------|------------------------|--------------|-----|------------------------|---------------|
| LM Start                         | 1.40                   | Rating **    | A/W | Issue No.              | 5             |
| LM End                           | 1.40                   | Issue Type + | Ob  | Location *             | WS            |
| Category                         | Earthen Levee          |              |     | GPS Latitude/Longitude |               |
|                                  |                        |              |     | Start                  | End           |
| Item                             | Vegetation             |              |     | 38.694469 °            | 38.694469 °   |
|                                  |                        |              |     | -121.634312 °          | -121.634312 ° |
| DWR ID                           | DWR_RD1600_01_f_2012_5 |              |     |                        |               |
| Comment Code                     |                        |              |     |                        |               |
| V8 : Environmental Requirements. |                        |              |     |                        |               |
| Inspector Comment                |                        |              |     |                        |               |
|                                  |                        |              |     |                        |               |

Photo 1 of 2 : FA\_2019\_RD1600\_191\_5\_20190829\_00002.jpg



View of the revegetation site on the berm of the waterward side of the levee looking upstream. Spring 2016.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|                                  |                        |              |     |                        |          |               |
|----------------------------------|------------------------|--------------|-----|------------------------|----------|---------------|
| LM Start                         | 1.40                   | Rating **    | A/W | Issue No.              | 5 (cont) |               |
| LM End                           | 1.40                   | Issue Type + | Ob  | Location *             | WS       |               |
| Category                         | Earthen Levee          |              |     | GPS Latitude/Longitude |          |               |
|                                  |                        |              |     | Start                  |          | End           |
| Item                             | Vegetation             |              |     | 38.694469 °            |          | 38.694469 °   |
|                                  |                        |              |     | -121.634312 °          |          | -121.634312 ° |
| DWR ID                           | DWR_RD1600_01_f_2012_5 |              |     |                        |          |               |
| Comment Code                     |                        |              |     |                        |          |               |
| V8 : Environmental Requirements. |                        |              |     |                        |          |               |
| Inspector Comment                |                        |              |     |                        |          |               |
|                                  |                        |              |     |                        |          |               |

Photo 2 of 2 : FA\_2019\_RD1600\_191\_5\_20190829\_00003.jpg



DWR revegetation site. Spring 2016.

|   |                         |              |     |                        |               |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 1.42                    | Rating **    | A/W | Issue No.              | 52            |
| LM End  | 1.42                    | Issue Type + | Ma  | Location *             | LS            |
| Category  | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|   |                         |              |     | Start                  | End           |
| Item  | Slope Stability         |              |     | 38.694728 °            | 38.694728 °   |
|   |                         |              |     | -121.634224 °          | -121.634224 ° |
| DWR ID  | DWR_RD1600_01_f_2018_52 |              |     |                        |               |
| Comment Code  |                         |              |     |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |     |                        |               |
| Inspector Comment   |                         |              |     |                        |               |
| Ruts on the landside slope from vehicles. Recommend monitoring for future activity.       |                         |              |     |                        |               |

Photo 1 of 1 : FA\_2019\_RD1600\_191\_52\_20190829\_00022.jpg



View of ruts on landside shoulder. Spring 2019.

|   |                         |              |     |                        |               |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 1.65                    | Rating **    | A/W | Issue No.              | 46            |
| LM End  | 1.65                    | Issue Type + | Ma  | Location *             | LS            |
| Category  | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|   |                         |              |     | Start                  | End           |
| Item  | Slope Stability         |              |     | 38.697799 °            | 38.697799 °   |
|   |                         |              |     | -121.632396 °          | -121.632396 ° |
| DWR ID  | DWR_RD1600_01_f_2019_46 |              |     |                        |               |
| Comment Code  |                         |              |     |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |     |                        |               |
| Inspector Comment   |                         |              |     |                        |               |
|   |                         |              |     |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 1.70                    | Rating **    | A/W | Issue No.              | 70            |
| LM End   | 1.70                    | Issue Type + | Ma  | Location *             | LS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Slope Stability         |              |     | 38.698414 °            | 38.698414 °   |
|  |                         |              |     | -121.631874 °          | -121.631874 ° |
| DWR ID   | DWR_RD1600_01_f_2017_70 |              |     |                        |               |
| Comment Code   |                         |              |     |                        |               |
| S2 : Repair the levee slope damaged by foot traffic and prevent access where possible. |                         |              |     |                        |               |
| Inspector Comment  |                         |              |     |                        |               |
| Footpath on landside slope. Recommend monitoring.                                      |                         |              |     |                        |               |

Photo 1 of 1 : FA\_2019\_RD1600\_191\_70\_20190829\_00025.jpg



View of slope instability. Fall 2016.

|   |                         |              |     |                        |               |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 1.72                    | Rating **    | A/W | Issue No.              | 31            |
| LM End  | 1.72                    | Issue Type + | Ma  | Location *             | WS            |
| Category  | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|   |                         |              |     | Start                  | End           |
| Item  | Vegetation              |              |     | 38.698639 °            | 38.698639 °   |
|   |                         |              |     | -121.631687 °          | -121.631687 ° |
| DWR ID  | DWR_RD1600_01_s_2012_31 |              |     |                        |               |
| Comment Code  |                         |              |     |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability. |                         |              |     |                        |               |
| Inspector Comment   |                         |              |     |                        |               |
|   |                         |              |     |                        |               |

No Photos

|                                     |                         |              |     |                        |               |
|-------------------------------------|-------------------------|--------------|-----|------------------------|---------------|
| LM Start                            | 2.01                    | Rating **    | A/W | Issue No.              | 72            |
| LM End                              | 2.01                    | Issue Type + | Ma  | Location *             | LS            |
| Category                            | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|                                     |                         |              |     | Start                  | End           |
| Item                                | Erosion / Bank Caving   |              |     | 38.701605 °            | 38.701605 °   |
|                                     |                         |              |     | -121.627954 °          | -121.627954 ° |
| DWR ID                              | DWR_RD1600_01_s_2018_72 |              |     |                        |               |
| Comment Code                        |                         |              |     |                        |               |
| E1 : Note and monitor erosion site. |                         |              |     |                        |               |
| Inspector Comment                   |                         |              |     |                        |               |
| Runoff rills on landside slope.     |                         |              |     |                        |               |

Photo 1 of 1 : FA\_2019\_RD1600\_191\_72\_20190829\_00026.jpg



View of the erosion site. Spring 2017.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach<br>Jojola |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>2.03</b>             | Rating **    | C  | Issue No.              | <b>62</b>     |
| LM End  | <b>2.03</b>             | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Animal Control          |              |    | 38.701780 °            | 38.701780 °   |
|   |                         |              |    | -121.627648 °          | -121.627648 ° |
| DWR ID  | DWR_RD1600_01_f_2017_62 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Multiple holes on the waterside slope. The LMA has done a good job of baiting the area.             |                         |              |    |                        |               |

No Photos

|                                     |                         |              |    |                        |               |
|-------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start                            | <b>2.06</b>             | Rating **    | M  | Issue No.              | <b>48</b>     |
| LM End                              | <b>2.06</b>             | Issue Type + | Ma | Location *             | LS            |
| Category                            | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                                     |                         |              |    | Start                  | End           |
| Item                                | Encroachments           |              |    | 38.702099 °            | 38.702099 °   |
|                                     |                         |              |    | -121.627177 °          | -121.627177 ° |
| DWR ID                              | DWR_RD1600_01_f_2019_48 |              |    |                        |               |
| Comment Code                        |                         |              |    |                        |               |
| PR : Prunings                       |                         |              |    |                        |               |
| Inspector Comment                   |                         |              |    |                        |               |
| Pruning pile on the landside slope. |                         |              |    |                        |               |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>2.11</b>             | Rating **    | C  | Issue No.              | <b>54</b>     |
| LM End   | <b>2.13</b>             | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.702491 °            | 38.702645 °   |
|  |                         |              |    | -121.626463 °          | -121.626227 ° |
| DWR ID   | DWR_RD1600_01_f_2018_54 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|   |                         |              |                        |              |           |
|---|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start                                | <b>2.15</b>             | Rating **    | M                      | Issue No.    | <b>50</b> |
| LM End                                  | <b>2.15</b>             | Issue Type + | Ma                     | Location *   | LS        |
| Category                                | Earthen Levee           |              | GPS Latitude/Longitude |              |           |
|   |                         |              | Start                  | End          |           |
| Item                                    | Encroachments           |              | 38.702879°             | 38.702879°   |           |
|   |                         |              | -121.625835°           | -121.625835° |           |
| DWR ID                                  | DWR_RD1600_01_f_2019_50 |              |                        |              |           |
| Comment Code                            |                         |              |                        |              |           |
| TR : Tree or limb                       |                         |              |                        |              |           |
| Inspector Comment                       |                         |              |                        |              |           |
| Fallen tree limb on the landside slope. |                         |              |                        |              |           |

No Photos

|   |                         |              |                        |              |           |
|---|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start  | <b>2.16</b>             | Rating **    | M                      | Issue No.    | <b>53</b> |
| LM End  | <b>2.16</b>             | Issue Type + | Ma                     | Location *   | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |              |           |
|   |                         |              | Start                  | End          |           |
| Item  | Animal Control          |              | 38.702930°             | 38.702930°   |           |
|   |                         |              | -121.625763°           | -121.625763° |           |
| DWR ID  | DWR_RD1600_01_f_2019_53 |              |                        |              |           |
| Comment Code  |                         |              |                        |              |           |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                         |              |                        |              |           |
| Inspector Comment   |                         |              |                        |              |           |
| Rodent holes on the landside slope and crown.   |                         |              |                        |              |           |

No Photos

|                                |                         |              |                        |              |           |
|--------------------------------|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start                       | <b>2.19</b>             | Rating **    | M                      | Issue No.    | <b>55</b> |
| LM End                         | <b>2.19</b>             | Issue Type + | Ma                     | Location *   | CR        |
| Category                       | Earthen Levee           |              | GPS Latitude/Longitude |              |           |
|                                |                         |              | Start                  | End          |           |
| Item                           | Encroachments           |              | 38.703205°             | 38.703205°   |           |
|                                |                         |              | -121.625368°           | -121.625368° |           |
| DWR ID                         | DWR_RD1600_01_f_2019_55 |              |                        |              |           |
| Comment Code                   |                         |              |                        |              |           |
| TR : Tree or limb              |                         |              |                        |              |           |
| Inspector Comment              |                         |              |                        |              |           |
| Fallen tree limb on the crown. |                         |              |                        |              |           |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 2.30                    | Rating **    | U  | Issue No.              | 56            |
| LM End  | 2.30                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Animal Control          |              |    | 38.704198 °            | 38.704198 °   |
|   |                         |              |    | -121.623725 °          | -121.623725 ° |
| DWR ID  | DWR_RD1600_01_f_2019_56 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
| Large rodent holes and mounds on the landside shoulder.   |                         |              |    |                        |               |

Photo 1 of 1 : FA\_2019\_RD1600\_191\_56\_20191112\_00058.jpg



View of the rodent holes on the landside shoulder. Fall 2019.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start                                 | 2.31                    | Rating **    | M  | Issue No.              | 57            |
| LM End                                   | 2.31                    | Issue Type + | Ma | Location *             | WS            |
| Category                                 | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item                                     | Encroachments           |              |    | 38.704292 °            | 38.704292 °   |
|  |                         |              |    | -121.623564 °          | -121.623564 ° |
| DWR ID                                   | DWR_RD1600_01_f_2019_57 |              |    |                        |               |
| Comment Code                             |                         |              |    |                        |               |
| TR : Tree or limb                        |                         |              |    |                        |               |
| Inspector Comment                        |                         |              |    |                        |               |
| Fallen tree limb on the waterside slope. |                         |              |    |                        |               |

No Photos

|                                  |                         |              |     |                        |               |
|----------------------------------|-------------------------|--------------|-----|------------------------|---------------|
| LM Start                         | 2.35                    | Rating **    | A/W | Issue No.              | 35            |
| LM End                           | 2.40                    | Issue Type + | Ob  | Location *             | WS            |
| Category                         | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|                                  |                         |              |     | Start                  | End           |
| Item                             | Vegetation              |              |     | 38.704624 °            | 38.705152 °   |
|                                  |                         |              |     | -121.623034 °          | -121.622187 ° |
| DWR ID                           | DWR_RD1600_01_s_2012_35 |              |     |                        |               |
| Comment Code                     |                         |              |     |                        |               |
| V8 : Environmental Requirements. |                         |              |     |                        |               |
| Inspector Comment                |                         |              |     |                        |               |
|                                  |                         |              |     |                        |               |

Photo 1 of 2 : FA\_2019\_RD1600\_191\_35\_20190829\_00014.jpg



Sign for revegetation site. Spring 2016.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|                                  |                         |              |     |                        |               |
|----------------------------------|-------------------------|--------------|-----|------------------------|---------------|
| LM Start                         | 2.35                    | Rating **    | A/W | Issue No.              | 35 (cont)     |
| LM End                           | 2.40                    | Issue Type + | Ob  | Location *             | WS            |
| Category                         | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|                                  |                         |              |     | Start                  | End           |
| Item                             | Vegetation              |              |     | 38.704624 °            | 38.705152 °   |
|                                  |                         |              |     | -121.623034 °          | -121.622187 ° |
| DWR ID                           | DWR_RD1600_01_s_2012_35 |              |     |                        |               |
| Comment Code                     |                         |              |     |                        |               |
| V8 : Environmental Requirements. |                         |              |     |                        |               |
| Inspector Comment                |                         |              |     |                        |               |
|                                  |                         |              |     |                        |               |

Photo 2 of 2 : FA\_2019\_RD1600\_191\_35\_20190829\_00015.jpg



View of the revegetation site on the waterward side of the levee looking upstream. Spring 2016.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.40                    | Rating **    | M  | Issue No.              | 43            |
| LM End   | 2.40                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Erosion / Bank Caving   |              |    | 38.705154 °            | 38.705154 °   |
|  |                         |              |    | -121.622231 °          | -121.622231 ° |
| DWR ID   | DWR_RD1600_01_s_2019_43 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| E2 : Schedule repair of erosion site prior to the next inspection. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Erosion on the landside slope.                                     |                         |              |    |                        |               |

Photo 1 of 1 : FA\_2019\_RD1600\_191\_43\_20190829\_00017.jpg



View of erosion cutting into crown road on the landside soulder.

|   |                         |              |     |                        |               |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 2.61                    | Rating **    | A/W | Issue No.              | 45            |
| LM End  | 2.61                    | Issue Type + | Ma  | Location *             | LS            |
| Category  | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|   |                         |              |     | Start                  | End           |
| Item  | Vegetation              |              |     | 38.707311 °            | 38.707311 °   |
|   |                         |              |     | -121.619517 °          | -121.619517 ° |
| DWR ID  | DWR_RD1600_01_f_2016_45 |              |     |                        |               |
| Comment Code  |                         |              |     |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability. |                         |              |     |                        |               |
| Inspector Comment   |                         |              |     |                        |               |
|   |                         |              |     |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach<br>Jojola |

|                                |                         |              |                        |              |           |
|--------------------------------|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start                       | <b>2.73</b>             | Rating **    | M                      | Issue No.    | <b>58</b> |
| LM End                         | <b>2.73</b>             | Issue Type + | Ma                     | Location *   | CR        |
| Category                       | Earthen Levee           |              | GPS Latitude/Longitude |              |           |
|                                |                         |              | Start                  | End          |           |
| Item                           | Encroachments           |              | 38.708540°             | 38.708540°   |           |
|                                |                         |              | -121.617920°           | -121.617920° |           |
| DWR ID                         | DWR_RD1600_01_f_2019_58 |              |                        |              |           |
| Comment Code                   |                         |              |                        |              |           |
| TR : Tree or limb              |                         |              |                        |              |           |
| Inspector Comment              |                         |              |                        |              |           |
| Fallen tree limb on the crown. |                         |              |                        |              |           |

No Photos

|                                |                         |              |                        |              |           |
|--------------------------------|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start                       | <b>2.76</b>             | Rating **    | M                      | Issue No.    | <b>59</b> |
| LM End                         | <b>2.76</b>             | Issue Type + | Ma                     | Location *   | CR        |
| Category                       | Earthen Levee           |              | GPS Latitude/Longitude |              |           |
|                                |                         |              | Start                  | End          |           |
| Item                           | Encroachments           |              | 38.708795°             | 38.708795°   |           |
|                                |                         |              | -121.617586°           | -121.617586° |           |
| DWR ID                         | DWR_RD1600_01_f_2019_59 |              |                        |              |           |
| Comment Code                   |                         |              |                        |              |           |
| TR : Tree or limb              |                         |              |                        |              |           |
| Inspector Comment              |                         |              |                        |              |           |
| Fallen tree limb on the crown. |                         |              |                        |              |           |

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. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|  |                            |              |    |                        |               |  |
|--|----------------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 2.81                       | Rating **    | M  | Issue No.              | 1205          |  |
| LM End   | 2.81                       | Issue Type + | En | Location *             |               |  |
| Category   | Supplemental               |              |    | GPS Latitude/Longitude |               |  |
|  |                            |              |    | Start                  | End           |  |
| Item   | DRAFT DWR UCIP Field Study |              |    | 38.709350 °            | 38.709350 °   |  |
|  |                            |              |    | -121.616913 °          | -121.616913 ° |  |
| DWR ID   | 21467                      |              |    |                        |               |  |
| Comment Code   |                            |              |    |                        |               |  |
|  |                            |              |    |                        |               |  |
| Inspector Comment  |                            |              |    |                        |               |  |
| DS_ID:21467  |                            |              |    |                        |               |  |
| FS_ID:15108  |                            |              |    |                        |               |  |
| EP_NO: N/A   |                            |              |    |                        |               |  |
| Repair Type: Non-Urgent  |                            |              |    |                        |               |  |
| Crossing Status: Not Found   |                            |              |    |                        |               |  |
| UCIP Comments: Pipe removed and replaced with a pipe dsid 25565 - permit 18852.  |                            |              |    |                        |               |  |
| Appears abandoned and should be done so properly. Debris buildup on pier. Power cut to pump.   |                            |              |    |                        |               |  |
| FIELD_STRUCT_DESC: *REMOVED* 16-inch steel irrigation pipe through the levee, 2 feet below the crown. Walkway from berm to pump on pile structure in the stream. Siphon breaker on the landside (LS) slope. 12-inch polyvinyl chloride (PVC) standpipe off the LS toe. |                            |              |    |                        |               |  |
| [Additional Reference(s): DWR Levee Log, 1988. USACE Sacramento O&M Manual 123, August 1955, (RM 73.4) (18-inch pipe listed)].   |                            |              |    |                        |               |  |
| FS Date: 6/18/2013   |                            |              |    |                        |               |  |

|          |             |              |    |            |                    |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | <b>2.81</b> | Rating **    | M  | Issue No.  | <b>1205 (cont)</b> |
| LM End   | <b>2.81</b> | Issue Type + | En | Location * |                    |

Photo 1 of 3 : UCIP\_FA\_2019\_15108\_24826.jpg



Pump on metal platform off WS berm.

Photo 2 of 3 : UCIP\_FA\_2019\_15108\_24825.jpg



Debris buildup at metal platform waterline.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|  |                            |              |    |                        |               |  |
|--|----------------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 2.81                       | Rating **    | M  | Issue No.              | 1205 (cont)   |  |
| LM End   | 2.81                       | Issue Type + | En | Location *             |               |  |
| Category   | Supplemental               |              |    | GPS Latitude/Longitude |               |  |
|  |                            |              |    | Start                  | End           |  |
| Item   | DRAFT DWR UCIP Field Study |              |    | 38.709350 °            | 38.709350 °   |  |
|  |                            |              |    | -121.616913 °          | -121.616913 ° |  |
| DWR ID   | 21467                      |              |    |                        |               |  |
| Comment Code   |                            |              |    |                        |               |  |
|  |                            |              |    |                        |               |  |
| Inspector Comment  |                            |              |    |                        |               |  |
| DS_ID:21467<br>FS_ID:15108<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Not Found<br>UCIP Comments: Pipe removed and replaced with a pipe dsid 25565 - permit 18852.<br>Appears abandoned and should be done so properly. Debris buildup on pier. Power cut to pump.<br>FIELD_STRUCT_DESC: *REMOVED* 16-inch steel irrigation pipe through the levee, 2 feet below the crown. Walkway from berm to pump on pile structure in the stream. Siphon breaker on the landside (LS) slope. 12-inch polyvinyl chloride (PVC) standpipe off the LS toe.<br>[Additional Reference(s): DWR Levee Log, 1988. USACE Sacramento O&M Manual 123, August 1955, (RM 73.4) (18-inch pipe listed)].<br>FS Date: 6/18/2013 |                            |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_FA\_2019\_15108\_24824.jpg



Electrical cut to pump.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start                                 | 2.84                    | Rating **    | M  | Issue No.              | 64            |
| LM End                                   | 2.84                    | Issue Type + | Ma | Location *             | WS            |
| Category                                 | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item                                     | Encroachments           |              |    | 38.709647 °            | 38.709647 °   |
|  |                         |              |    | -121.616537 °          | -121.616537 ° |
| DWR ID                                   | DWR_RD1600_01_f_2019_64 |              |    |                        |               |
| Comment Code                             |                         |              |    |                        |               |
| TR : Tree or limb                        |                         |              |    |                        |               |
| Inspector Comment                        |                         |              |    |                        |               |
| Fallen tree limb on the waterside slope. |                         |              |    |                        |               |

No Photos

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|   |                            |              |    |                        |              |
|---|----------------------------|--------------|----|------------------------|--------------|
| LM Start  | 2.93                       | Rating **    | M  | Issue No.              | 1206         |
| LM End  | 2.93                       | Issue Type + | En | Location *             |              |
| Category  | Supplemental               |              |    | GPS Latitude/Longitude |              |
|   |                            |              |    | Start                  | End          |
| Item  | DRAFT DWR UCIP Field Study |              |    | 38.710497°             | 38.710497°   |
|   |                            |              |    | -121.615381°           | -121.615381° |
| DWR ID  | 21490                      |              |    |                        |              |
| Comment Code  |                            |              |    |                        |              |
|   |                            |              |    |                        |              |
| Inspector Comment   |                            |              |    |                        |              |
| DS_ID:21490<br>FS_ID:15110<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Indicator Found<br>UCIP Comments: Abandoned and should be removed from levee.<br>FIELD_STRUCT_DESC: *ABANDONED* 10-inch reinforced concrete pipe of an unknown purpose through the levee, 5 feet below the crown.<br>Pipe visible on the landside (LS) slope. [Additional Reference(s): USACE Sacramento O&M Manual 123, August 1955, (RM 73.5)].<br>FS Date: 6/18/2013 |                            |              |    |                        |              |

Photo 1 of 2 : UCIP\_FA\_2019\_15110\_24828.jpg



Pipe visible on LS slope.

|          |             |              |    |            |                    |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | <b>2.93</b> | Rating **    | M  | Issue No.  | <b>1206 (cont)</b> |
| LM End   | <b>2.93</b> | Issue Type + | En | Location * |                    |

Photo 2 of 2 : UCIP\_FA\_2019\_15110\_24827.jpg



Pipe visible on LS slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|   |                           |              |    |                        |               |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start  | 2.99                      | Rating **    | M  | Issue No.              | 15            |
| LM End  | 3.37                      | Issue Type + | Ma | Location *             | WS            |
| Category  | Supplemental              |              |    | GPS Latitude/Longitude |               |
|   |                           |              |    | Start                  | End           |
| Item  | 2017 USACE Erosion Survey |              |    | 38.710874 °            | 38.715134 °   |
|   |                           |              |    | -121.614239 °          | -121.609566 ° |
| DWR ID  | DWR_RD1600_01_f_2018_15   |              |    |                        |               |
| Comment Code  |                           |              |    |                        |               |
|   |                           |              |    |                        |               |
| Inspector Comment   |                           |              |    |                        |               |
| 2017 Site ID: SAC 74.0 R  |                           |              |    |                        |               |
| Status: Eroding New   |                           |              |    |                        |               |
| 2017 Field Notes: Significant toe erosion. Erosion along entire bank. |                           |              |    |                        |               |
| Tree popouts observed.  |                           |              |    |                        |               |
| Site History:   |                           |              |    |                        |               |

No Photos

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 3.01                    | Rating **    | M  | Issue No.              | 65            |
| LM End  | 3.01                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Encroachments           |              |    | 38.711359 °            | 38.711359 °   |
|   |                         |              |    | -121.614281 °          | -121.614281 ° |
| DWR ID  | DWR_RD1600_01_f_2019_65 |              |    |                        |               |
| Comment Code                                    |                         |              |    |                        |               |
| TR : Tree or limb                               |                         |              |    |                        |               |
| Inspector Comment                               |                         |              |    |                        |               |
| Large fallen tree branch on the landside slope. |                         |              |    |                        |               |

Photo 1 of 1 : FA\_2019\_RD1600\_191\_65\_20191112\_00059.jpg



View of fallen tree on the landside slope. Fall 2019.

|   |                         |              |     |                        |               |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 3.04                    | Rating **    | A/W | Issue No.              | 37            |
| LM End  | 3.04                    | Issue Type + | Ma  | Location *             | LS            |
| Category  | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|   |                         |              |     | Start                  | End           |
| Item  | Vegetation              |              |     | 38.711597 °            | 38.711597 °   |
|   |                         |              |     | -121.613890 °          | -121.613890 ° |
| DWR ID  | DWR_RD1600_01_s_2012_37 |              |     |                        |               |
| Comment Code  |                         |              |     |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability. |                         |              |     |                        |               |
| Inspector Comment   |                         |              |     |                        |               |
|   |                         |              |     |                        |               |

No Photos

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach<br>Jojola |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.14                    | Rating **    | M  | Issue No.              | 67            |
| LM End   | 3.14                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Erosion / Bank Caving   |              |    | 38.712686 °            | 38.712686 °   |
|  |                         |              |    | -121.612654 °          | -121.612654 ° |
| DWR ID   | DWR_RD1600_01_f_2019_67 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| E2 : Schedule repair of erosion site prior to the next inspection. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Bank caving on the landside slope.                                 |                         |              |    |                        |               |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.15                    | Rating **    | C  | Issue No.              | 41            |
| LM End   | 3.52                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.712819 °            | 38.717123 °   |
|  |                         |              |    | -121.612506 °          | -121.608453 ° |
| DWR ID   | DWR_RD1600_01_s_2019_41 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
|  |                         |              |    |                        |               |

No Photos

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 3.20                    | Rating **    | M  | Issue No.              | 51            |
| LM End  | 3.20                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Vegetation              |              |    | 38.713393 °            | 38.713393 °   |
|   |                         |              |    | -121.611828 °          | -121.611828 ° |
| DWR ID  | DWR_RD1600_01_s_2017_51 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
|   |                         |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach<br>Jojola |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>3.33</b>             | Rating **    | M                      | Issue No.     | <b>68</b> |
| LM End   | <b>3.33</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Vegetation              |              | 38.714861 °            | 38.714861 °   |           |
|  |                         |              | -121.610340 °          | -121.610340 ° |           |
| DWR ID   | DWR_RD1600_01_f_2019_68 |              |                        |               |           |
| Comment Code   |                         |              |                        |               |           |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |                        |               |           |
| Inspector Comment  |                         |              |                        |               |           |
| Remove blackberries on the landside slope.                                   |                         |              |                        |               |           |

No Photos

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>3.40</b>             | Rating **    | M                      | Issue No.     | <b>77</b> |
| LM End  | <b>3.40</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.715681 °            | 38.715681 °   |           |
|   |                         |              | -121.609555 °          | -121.609555 ° |           |
| DWR ID  | DWR_RD1600_01_f_2019_77 |              |                        |               |           |
| Comment Code  |                         |              |                        |               |           |
| V4 : Elderberries are blocking visibility and flood fight capability. |                         |              |                        |               |           |
| Inspector Comment   |                         |              |                        |               |           |

No Photos

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start                                | <b>3.55</b>             | Rating **    | M                      | Issue No.     | <b>69</b> |
| LM End                                  | <b>3.55</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category                                | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item                                    | Encroachments           |              | 38.717573 °            | 38.717573 °   |           |
|   |                         |              | -121.608124 °          | -121.608124 ° |           |
| DWR ID                                  | DWR_RD1600_01_f_2019_69 |              |                        |               |           |
| Comment Code                            |                         |              |                        |               |           |
| TR : Tree or limb                       |                         |              |                        |               |           |
| Inspector Comment                       |                         |              |                        |               |           |
| Fallen tree limb on the landside slope. |                         |              |                        |               |           |

No Photos

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

## Levee Inspection Report By Mile - Fall 2019

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach<br>Jojola |

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach<br>Jojola |

|                                     |                         |              |    |                        |               |
|-------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start                            | 4.43                    | Rating **    | M  | Issue No.              | 71            |
| LM End                              | 4.43                    | Issue Type + | Ma | Location *             | WS            |
| Category                            | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                                     |                         |              |    | Start                  | End           |
| Item                                | Encroachments           |              |    | 38.730048 °            | 38.730048 °   |
|                                     |                         |              |    | -121.606012 °          | -121.606012 ° |
| DWR ID                              | DWR_RD1600_01_f_2019_71 |              |    |                        |               |
| Comment Code                        |                         |              |    |                        |               |
| TR : Tree or limb                   |                         |              |    |                        |               |
| Inspector Comment                   |                         |              |    |                        |               |
| Fallen tree on the waterside slope. |                         |              |    |                        |               |

No Photos

|                                     |                         |              |    |                        |               |
|-------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start                            | 4.46                    | Rating **    | M  | Issue No.              | 60            |
| LM End                              | 4.46                    | Issue Type + | Ma | Location *             | WS            |
| Category                            | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                                     |                         |              |    | Start                  | End           |
| Item                                | Encroachments           |              |    | 38.730441 °            | 38.730441 °   |
|                                     |                         |              |    | -121.605931 °          | -121.605931 ° |
| DWR ID                              | DWR_RD1600_01_f_2019_60 |              |    |                        |               |
| Comment Code                        |                         |              |    |                        |               |
| TR : Tree or limb                   |                         |              |    |                        |               |
| Inspector Comment                   |                         |              |    |                        |               |
| Fallen tree on the waterside slope. |                         |              |    |                        |               |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 4.49                    | Rating **    | M  | Issue No.              | 73            |
| LM End   | 4.49                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Erosion / Bank Caving   |              |    | 38.730906 °            | 38.730906 °   |
|  |                         |              |    | -121.605970 °          | -121.605970 ° |
| DWR ID   | DWR_RD1600_01_f_2019_73 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| E2 : Schedule repair of erosion site prior to the next inspection. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Bank caving on the landside slope caused by goats.                 |                         |              |    |                        |               |

Photo 1 of 1 : FA\_2019\_RD1600\_191\_73\_20191112\_00060.jpg



View of bank caving on the landside slope. Fall 2019.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|   |                            |              |    |                        |               |  |
|---|----------------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 4.51                       | Rating **    | M  | Issue No.              | 1207          |  |
| LM End  | 4.51                       | Issue Type + | En | Location *             |               |  |
| Category  | Supplemental               |              |    | GPS Latitude/Longitude |               |  |
|   |                            |              |    | Start                  | End           |  |
| Item  | DRAFT DWR UCIP Field Study |              |    | 38.731143 °            | 38.731143 °   |  |
|   |                            |              |    | -121.605825 °          | -121.605825 ° |  |
| DWR ID  | 21470                      |              |    |                        |               |  |
| Comment Code  |                            |              |    |                        |               |  |
|   |                            |              |    |                        |               |  |
| Inspector Comment   |                            |              |    |                        |               |  |
| DS_ID:21470   |                            |              |    |                        |               |  |
| FS_ID:15125   |                            |              |    |                        |               |  |
| EP_NO: N/A  |                            |              |    |                        |               |  |
| Repair Type: Non-Urgent   |                            |              |    |                        |               |  |
| Crossing Status: Found  |                            |              |    |                        |               |  |
| UCIP Comments: Pumphouse abandoned with deep pit open. Safety issue. If plant is abandoned it should be done so properly.   |                            |              |    |                        |               |  |
| FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 21.4 feet below the crown. 16-inch pipe ties into 24-inch pipe at the waterside (WS) slope. Slant pump on metal platform and gate valve on the WS berm. Gate valve in pump house off the landside (LS). Two power poles at the LS toe. [Additional Reference(s): DWR Levee Log, 1988. USACE Sacramento O&M Manual 123, August 1955, (RM 75.2) (20-inch pipe listed)]. |                            |              |    |                        |               |  |
| FS Date: 6/18/2013 7:36:00 AM   |                            |              |    |                        |               |  |

Photo 1 of 3 : UCIP\_FA\_2019\_15125\_24846.jpg



Pumphouse/distribution box off LS toe.

|          |             |              |    |            |                    |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | <b>4.51</b> | Rating **    | M  | Issue No.  | <b>1207 (cont)</b> |
| LM End   | <b>4.51</b> | Issue Type + | En | Location * |                    |

Photo 2 of 3 : UCIP\_FA\_2019\_15125\_24845.jpg



Slant pump on metal pier on WS berm.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|   |                            |              |    |                        |             |             |   |
|---|----------------------------|--------------|----|------------------------|-------------|-------------|---|
| LM Start  | 4.51                       | Rating **    | M  | Issue No.              | 1207 (cont) |             |   |
| LM End  | 4.51                       | Issue Type + | En | Location *             |             |             |   |
| Category  | Supplemental               |              |    | GPS Latitude/Longitude |             |             |   |
|   |                            |              |    | Start                  | End         |             |   |
| Item  | DRAFT DWR UCIP Field Study |              |    | 38.731143              | °           | 38.731143   | ° |
|   |                            |              |    | -121.605825            | °           | -121.605825 | ° |
| DWR ID  | 21470                      |              |    |                        |             |             |   |
| Comment Code  |                            |              |    |                        |             |             |   |
|   |                            |              |    |                        |             |             |   |
| Inspector Comment   |                            |              |    |                        |             |             |   |
| DS_ID:21470   |                            |              |    |                        |             |             |   |
| FS_ID:15125   |                            |              |    |                        |             |             |   |
| EP_NO: N/A  |                            |              |    |                        |             |             |   |
| Repair Type: Non-Urgent   |                            |              |    |                        |             |             |   |
| Crossing Status: Found  |                            |              |    |                        |             |             |   |
| UCIP Comments: Pumphouse abandoned with deep pit open. Safety issue. If plant is abandoned it should be done so properly.   |                            |              |    |                        |             |             |   |
| FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 21.4 feet below the crown. 16-inch pipe ties into 24-inch pipe at the waterside (WS) slope. Slant pump on metal platform and gate valve on the WS berm. Gate valve in pump house off the landside (LS). Two power poles at the LS toe. [Additional Reference(s): DWR Levee Log, 1988. USACE Sacramento O&M Manual 123, August 1955, (RM 75.2) (20-inch pipe listed)]. |                            |              |    |                        |             |             |   |
| FS Date: 6/18/2013 7:36:00 AM   |                            |              |    |                        |             |             |   |

Photo 3 of 3 : UCIP\_FA\_2019\_15125\_24844.jpg



16-inch pipe ties into 24-inch pipe under pump platform at slide gate.

|   |                            |              |    |                        |               |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 4.52                       | Rating **    | M  | Issue No.              | 1208          |
| LM End  | 4.52                       | Issue Type + | En | Location *             |               |
| Category  | Supplemental               |              |    | GPS Latitude/Longitude |               |
|   |                            |              |    | Start                  | End           |
| Item  | DRAFT DWR UCIP Field Study |              |    | 38.731280 °            | 38.731280 °   |
|   |                            |              |    | -121.605825 °          | -121.605825 ° |
| DWR ID  | 21471                      |              |    |                        |               |
| Comment Code  |                            |              |    |                        |               |
|   |                            |              |    |                        |               |
| Inspector Comment                                       |                            |              |    |                        |               |
| DS_ID:21471   |                            |              |    |                        |               |
| FS_ID:41563   |                            |              |    |                        |               |
| EP_NO: N/A  |                            |              |    |                        |               |
| Repair Type: Non-Urgent                                 |                            |              |    |                        |               |
| Crossing Status: Found                                  |                            |              |    |                        |               |
| UCIP Comments: Pipe should be removed from slope.       |                            |              |    |                        |               |
| FIELD_STRUCT_DESC: *ABANDONED* 12-inch pipe through the |                            |              |    |                        |               |
| levee 5.5 feet below the crown. Grouted in place 1957.  |                            |              |    |                        |               |
| FS Date: 6/18/2013                                      |                            |              |    |                        |               |

Photo 1 of 2 : UCIP\_FA\_2019\_41563\_27474.jpg



Pipe and remnants of grouted pipe on LS slope.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach<br>Jojola |

|   |                            |              |    |                        |             |               |
|---|----------------------------|--------------|----|------------------------|-------------|---------------|
| LM Start  | 4.52                       | Rating **    | M  | Issue No.              | 1208 (cont) |               |
| LM End  | 4.52                       | Issue Type + | En | Location *             |             |               |
| Category  | Supplemental               |              |    | GPS Latitude/Longitude |             |               |
|   |                            |              |    | Start                  |             | End           |
| Item  | DRAFT DWR UCIP Field Study |              |    | 38.731280 °            |             | 38.731280 °   |
|   |                            |              |    | -121.605825 °          |             | -121.605825 ° |
| DWR ID  | 21471                      |              |    |                        |             |               |
| Comment Code  |                            |              |    |                        |             |               |
|   |                            |              |    |                        |             |               |
| Inspector Comment   |                            |              |    |                        |             |               |
| DS_ID:21471<br>FS_ID:41563<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Pipe should be removed from slope.<br>FIELD_STRUCT_DESC: *ABANDONED* 12-inch pipe through the<br>levee 5.5 feet below the crown. Grouted in place 1957.<br>FS Date: 6/18/2013 |                            |              |    |                        |             |               |

Photo 2 of 2 : UCIP\_FA\_2019\_41563\_27473.jpg



Pipe and remnants of grouted pipe on LS slope.

|                                 |                         |              |    |                        |               |
|---------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start                        | 4.72                    | Rating **    | M  | Issue No.              | 18            |
| LM End                          | 4.72                    | Issue Type + | Ma | Location *             | WS            |
| Category                        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                                 |                         |              |    | Start                  | End           |
| Item                            | Encroachments           |              |    | 38.734255 °            | 38.734255 °   |
|                                 |                         |              |    | -121.605190 °          | -121.605190 ° |
| DWR ID                          | DWR_RD1600_01_s_2018_18 |              |    |                        |               |
| Comment Code                    |                         |              |    |                        |               |
| TR : Tree or limb               |                         |              |    |                        |               |
| Inspector Comment               |                         |              |    |                        |               |
| Fallen tree on waterside slope. |                         |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach<br>Jojola |

|   |                           |              |     |                        |              |
|---|---------------------------|--------------|-----|------------------------|--------------|
| LM Start  | <b>4.75</b>               | Rating **    | A/W | Issue No.              | <b>1193</b>  |
| LM End  | <b>4.75</b>               | Issue Type + | Ma  | Location *             | LS           |
| Category  | Earthen Levee             |              |     | GPS Latitude/Longitude |              |
|   |                           |              |     | Start                  | End          |
| Item  | Vegetation                |              |     | 38.734561°             | 38.734561°   |
|   |                           |              |     | -121.605113°           | -121.605113° |
| DWR ID  | DWR_RD1600_01_s_2015_1193 |              |     |                        |              |
| Comment Code  |                           |              |     |                        |              |
| V4 : Elderberries are blocking visibility and flood fight capability. |                           |              |     |                        |              |
| Inspector Comment   |                           |              |     |                        |              |
|   |                           |              |     |                        |              |

No Photos

|   |                           |              |     |                        |              |
|---|---------------------------|--------------|-----|------------------------|--------------|
| LM Start  | <b>4.76</b>               | Rating **    | A/W | Issue No.              | <b>1194</b>  |
| LM End  | <b>4.76</b>               | Issue Type + | Ma  | Location *             | LS           |
| Category  | Earthen Levee             |              |     | GPS Latitude/Longitude |              |
|   |                           |              |     | Start                  | End          |
| Item  | Vegetation                |              |     | 38.734784°             | 38.734784°   |
|   |                           |              |     | -121.605048°           | -121.605048° |
| DWR ID  | DWR_RD1600_01_s_2015_1194 |              |     |                        |              |
| Comment Code  |                           |              |     |                        |              |
| V4 : Elderberries are blocking visibility and flood fight capability. |                           |              |     |                        |              |
| Inspector Comment   |                           |              |     |                        |              |
|   |                           |              |     |                        |              |

No Photos

|   |                           |              |     |                        |              |
|---|---------------------------|--------------|-----|------------------------|--------------|
| LM Start  | <b>4.79</b>               | Rating **    | A/W | Issue No.              | <b>1195</b>  |
| LM End  | <b>4.79</b>               | Issue Type + | Ma  | Location *             | WS           |
| Category  | Earthen Levee             |              |     | GPS Latitude/Longitude |              |
|   |                           |              |     | Start                  | End          |
| Item  | Vegetation                |              |     | 38.735111°             | 38.735111°   |
|   |                           |              |     | -121.604923°           | -121.604923° |
| DWR ID  | DWR_RD1600_01_s_2015_1195 |              |     |                        |              |
| Comment Code  |                           |              |     |                        |              |
| V4 : Elderberries are blocking visibility and flood fight capability. |                           |              |     |                        |              |
| Inspector Comment   |                           |              |     |                        |              |
|   |                           |              |     |                        |              |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach<br>Jojola |

|   |                           |              |     |                        |               |
|---|---------------------------|--------------|-----|------------------------|---------------|
| LM Start  | <b>4.80</b>               | Rating **    | A/W | Issue No.              | <b>1196</b>   |
| LM End  | <b>4.80</b>               | Issue Type + | Ma  | Location *             | LS            |
| Category  | Earthen Levee             |              |     | GPS Latitude/Longitude |               |
|   |                           |              |     | Start                  | End           |
| Item  | Vegetation                |              |     | 38.735275 °            | 38.735275 °   |
|   |                           |              |     | -121.604863 °          | -121.604863 ° |
| DWR ID  | DWR_RD1600_01_f_2019_1196 |              |     |                        |               |
| Comment Code  |                           |              |     |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability. |                           |              |     |                        |               |
| Inspector Comment   |                           |              |     |                        |               |
|   |                           |              |     |                        |               |

No Photos

|   |                           |              |     |                        |               |
|---|---------------------------|--------------|-----|------------------------|---------------|
| LM Start  | <b>4.85</b>               | Rating **    | A/W | Issue No.              | <b>1197</b>   |
| LM End  | <b>4.85</b>               | Issue Type + | Ma  | Location *             | WS            |
| Category  | Earthen Levee             |              |     | GPS Latitude/Longitude |               |
|   |                           |              |     | Start                  | End           |
| Item  | Vegetation                |              |     | 38.736095 °            | 38.736095 °   |
|   |                           |              |     | -121.604642 °          | -121.604642 ° |
| DWR ID  | DWR_RD1600_01_s_2015_1197 |              |     |                        |               |
| Comment Code  |                           |              |     |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability. |                           |              |     |                        |               |
| Inspector Comment   |                           |              |     |                        |               |
|   |                           |              |     |                        |               |

No Photos

|                                       |                         |              |    |                        |               |
|---------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start                              | <b>4.87</b>             | Rating **    | C  | Issue No.              | <b>36</b>     |
| LM End                                | <b>4.87</b>             | Issue Type + | En | Location *             | WS            |
| Category                              | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                                       |                         |              |    | Start                  | End           |
| Item                                  | Encroachments           |              |    | 38.736300 °            | 38.736300 °   |
|                                       |                         |              |    | -121.604576 °          | -121.604576 ° |
| DWR ID                                | DWR_RD1600_01_s_2019_36 |              |    |                        |               |
| Comment Code                          |                         |              |    |                        |               |
| DE : Debris                           |                         |              |    |                        |               |
| Inspector Comment                     |                         |              |    |                        |               |
| Wooden planks on the waterside slope. |                         |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach<br>Jojola |

|  |                         |              |                        |              |           |
|--|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start                                 | <b>5.02</b>             | Rating **    | M                      | Issue No.    | <b>74</b> |
| LM End                                   | <b>5.02</b>             | Issue Type + | Ma                     | Location *   | LS        |
| Category                                 | Earthen Levee           |              | GPS Latitude/Longitude |              |           |
|  |                         |              | Start                  | End          |           |
| Item                                     | Encroachments           |              | 38.738343°             | 38.738343°   |           |
|  |                         |              | -121.603759°           | -121.603759° |           |
| DWR ID                                   | DWR_RD1600_01_f_2019_74 |              |                        |              |           |
| Comment Code                             |                         |              |                        |              |           |
| TR : Tree or limb                        |                         |              |                        |              |           |
| Inspector Comment                        |                         |              |                        |              |           |
| Fallen tree limbs on the landside slope. |                         |              |                        |              |           |

No Photos

|  |                         |              |                        |              |           |
|--|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start   | <b>5.07</b>             | Rating **    | M                      | Issue No.    | <b>75</b> |
| LM End   | <b>5.07</b>             | Issue Type + | Ma                     | Location *   | CR        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |              |           |
|  |                         |              | Start                  | End          |           |
| Item   | Trim / Thin Trees       |              | 38.739057°             | 38.739057°   |           |
|  |                         |              | -121.603508°           | -121.603508° |           |
| DWR ID   | DWR_RD1600_01_f_2019_75 |              |                        |              |           |
| Comment Code   |                         |              |                        |              |           |
| T4 : Trim trees over roadway to at least 12 feet above ground level. |                         |              |                        |              |           |
| Inspector Comment  |                         |              |                        |              |           |

No Photos

|   |                         |              |                        |              |           |
|---|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start  | <b>5.42</b>             | Rating **    | A/W                    | Issue No.    | <b>13</b> |
| LM End  | <b>5.42</b>             | Issue Type + | Ma                     | Location *   | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |              |           |
|   |                         |              | Start                  | End          |           |
| Item  | Vegetation              |              | 38.743805°             | 38.743805°   |           |
|   |                         |              | -121.601319°           | -121.601319° |           |
| DWR ID  | DWR_RD1600_01_s_2012_13 |              |                        |              |           |
| Comment Code  |                         |              |                        |              |           |
| V4 : Elderberries are blocking visibility and flood fight capability. |                         |              |                        |              |           |
| Inspector Comment   |                         |              |                        |              |           |

No Photos

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach<br>Jojola |

|  |                         |              |     |                        |              |
|--|-------------------------|--------------|-----|------------------------|--------------|
| LM Start   | 5.44                    | Rating **    | A/W | Issue No.              | 19           |
| LM End   | 5.77                    | Issue Type + | Ma  | Location *             | WS           |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |              |
|  |                         |              |     | Start                  | End          |
| Item   | Erosion / Bank Caving   |              |     | 38.744118°             | 38.748210°   |
|  |                         |              |     | -121.601104°           | -121.598025° |
| DWR ID   | DWR_RD1600_01_s_2012_19 |              |     |                        |              |
| Comment Code   |                         |              |     |                        |              |
| E1 : Note and monitor erosion site.  |                         |              |     |                        |              |
| Inspector Comment  |                         |              |     |                        |              |
| Gradual loss of the berm over many years. Erosion is at the waters edge. Walnut trees are close to edge now. Recommend monitoring. |                         |              |     |                        |              |

No Photos

|                                     |                         |              |    |                        |               |
|-------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start                            | 5.80                    | Rating **    | M  | Issue No.              | 39            |
| LM End                              | 5.80                    | Issue Type + | En | Location *             | WS            |
| Category                            | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                                     |                         |              |    | Start                  | End           |
| Item                                | Encroachments           |              |    | 38.748639 °            | 38.748639 °   |
|                                     |                         |              |    | -121.597662 °          | -121.597662 ° |
| DWR ID                              | DWR_RD1600_01_f_2017_39 |              |    |                        |               |
| Comment Code                        |                         |              |    |                        |               |
| DE : Debris                         |                         |              |    |                        |               |
| Inspector Comment                   |                         |              |    |                        |               |
| Abandoned pipes on waterside slope. |                         |              |    |                        |               |

No Photos

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start                                | 5.85                    | Rating **    | M  | Issue No.              | 63            |
| LM End                                  | 5.85                    | Issue Type + | En | Location *             | WS            |
| Category                                | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item                                    | Encroachments           |              |    | 38.749253 °            | 38.749253 °   |
|   |                         |              |    | -121.597203 °          | -121.597203 ° |
| DWR ID                                  | DWR_RD1600_01_f_2018_63 |              |    |                        |               |
| Comment Code                            |                         |              |    |                        |               |
| DE : Debris                             |                         |              |    |                        |               |
| Inspector Comment                       |                         |              |    |                        |               |
| Abandoned pipes on the waterside bench. |                         |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|   |                            |              |    |                        |               |  |
|---|----------------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 6.19                       | Rating **    | M  | Issue No.              | 1209          |  |
| LM End  | 6.19                       | Issue Type + | En | Location *             |               |  |
| Category  | Supplemental               |              |    | GPS Latitude/Longitude |               |  |
|   |                            |              |    | Start                  | End           |  |
| Item  | DRAFT DWR UCIP Field Study |              |    | 38.753820 °            | 38.753820 °   |  |
|   |                            |              |    | -121.595012 °          | -121.595012 ° |  |
| DWR ID  | 21476                      |              |    |                        |               |  |
| Comment Code  |                            |              |    |                        |               |  |
|   |                            |              |    |                        |               |  |
| Inspector Comment   |                            |              |    |                        |               |  |
| DS_ID:21476   |                            |              |    |                        |               |  |
| FS_ID:53410   |                            |              |    |                        |               |  |
| EP_NO: N/A  |                            |              |    |                        |               |  |
| Repair Type: Non-Urgent   |                            |              |    |                        |               |  |
| Crossing Status: Found  |                            |              |    |                        |               |  |
| UCIP Comments: 07/17/2018 No integrity issue observed, therefore crossing downgraded to "Non-Urgent". Needs proper abandonment or removal. Fall hazard: one of two standpipes on LS is broken to the ground level and uncovered which is a safety issue. (O.Yakimov-DWR UCIP)08/15/2016 - no change since previous inspection (T. Hatch/UCIP)06/20/2013 - Pipe is abandoned and open on both ends. It should be abandoned properly. (W. Wylie/UCIP) |                            |              |    |                        |               |  |
| FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel irrigation pipe through the levee, 4.5 feet below the crown. Pump on pile structure on the waterside (WS), pump not found and only the piles remain.   |                            |              |    |                        |               |  |
| Walkway between levee crown and pile structure on the WS, not found. Overhead power line crosses the levee. Service pole on the WS slope. 6-foot by 6-foot concrete distribution box at the landside (LS) toe.  |                            |              |    |                        |               |  |
| [Additional Reference(s): DWR Levee Log, 1988. USACE Sacramento O&M Manual 123, August 1955, (RM 77.0)].  |                            |              |    |                        |               |  |
| FS Date: 7/17/2018 7:56:22 AM   |                            |              |    |                        |               |  |

|          |             |              |    |            |                    |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | <b>6.19</b> | Rating **    | M  | Issue No.  | <b>1209 (cont)</b> |
| LM End   | <b>6.19</b> | Issue Type + | En | Location * |                    |

Photo 1 of 3 : UCIP\_FA\_2019\_53410\_25011.jpg



6'X6' concrete distribution box on LS toe.

Photo 2 of 3 : UCIP\_FA\_2019\_53410\_25010.jpg



Pipe on WS slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|  |                            |              |    |                        |               |  |
|--|----------------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 6.19                       | Rating **    | M  | Issue No.              | 1209 (cont)   |  |
| LM End   | 6.19                       | Issue Type + | En | Location *             |               |  |
| Category   | Supplemental               |              |    | GPS Latitude/Longitude |               |  |
|  |                            |              |    | Start                  | End           |  |
| Item   | DRAFT DWR UCIP Field Study |              |    | 38.753820 °            | 38.753820 °   |  |
|  |                            |              |    | -121.595012 °          | -121.595012 ° |  |
| DWR ID   | 21476                      |              |    |                        |               |  |
| Comment Code   |                            |              |    |                        |               |  |
|  |                            |              |    |                        |               |  |
| Inspector Comment  |                            |              |    |                        |               |  |
| DS_ID:21476<br>FS_ID:53410<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 07/17/2018 No integrity issue observed, therefore crossing downgraded to "Non-Urgent". Needs proper abandonment or removal. Fall hazard: one of two standpipes on LS is broken to the ground level and uncovered which is a safety issue. (O.Yakimov-DWR UCIP)08/15/2016 - no change since previous inspection (T. Hatch/UCIP)06/20/2013 - Pipe is abandoned and open on both ends. It should be abandoned properly. (W. Wylie/UCIP)<br>FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel irrigation pipe through the levee, 4.5 feet below the crown. Pump on pile structure on the waterside (WS), pump not found and only the piles remain.<br>Walkway between levee crown and pile structure on the WS, not found. Overhead power line crosses the levee. Service pole on the WS slope. 6-foot by 6-foot concrete distribution box at the landside (LS) toe.<br>[Additional Reference(s): DWR Levee Log, 1988. USACE Sacramento O&M Manual 123, August 1955, (RM 77.0)].<br>FS Date: 7/17/2018 7:56:22 AM |                            |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_FA\_2019\_53410\_25012.jpg



Pump missing from pier on WS toe.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 6.56                    | Rating **    | M  | Issue No.              | 80            |
| LM End  | 6.56                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Vegetation              |              |    | 38.759131 °            | 38.759131 °   |
|   |                         |              |    | -121.594092 °          | -121.594092 ° |
| DWR ID  | DWR_RD1600_01_s_2017_80 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
|   |                         |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

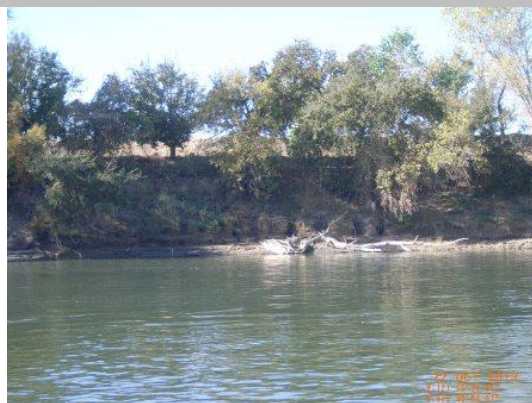
| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach<br>Jojola |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start                                   | 6.76                    | Rating **    | M  | Issue No.              | 76            |
| LM End                                     | 6.76                    | Issue Type + | Ma | Location *             | WS            |
| Category                                   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item                                       | Encroachments           |              |    | 38.761980 °            | 38.761980 °   |
|  |                         |              |    | -121.594454 °          | -121.594454 ° |
| DWR ID                                     | DWR_RD1600_01_f_2019_76 |              |    |                        |               |
| Comment Code                               |                         |              |    |                        |               |
| TR : Tree or limb                          |                         |              |    |                        |               |
| Inspector Comment                          |                         |              |    |                        |               |
| Fallen tree limb on the wateside shoulder. |                         |              |    |                        |               |

No Photos

|   |                           |              |    |                        |               |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start  | 6.95                      | Rating **    | M  | Issue No.              | 23            |
| LM End  | 6.98                      | Issue Type + | Ma | Location *             | WS            |
| Category  | Supplemental              |              |    | GPS Latitude/Longitude |               |
|   |                           |              |    | Start                  | End           |
| Item  | 2017 USACE Erosion Survey |              |    | 38.764801 °            | 38.765219 °   |
|   |                           |              |    | -121.594926 °          | -121.595049 ° |
| DWR ID  | DWR_RD1600_01_f_2018_23   |              |    |                        |               |
| Comment Code  |                           |              |    |                        |               |
|   |                           |              |    |                        |               |
| Inspector Comment   |                           |              |    |                        |               |
| 2017 Site ID: SAC 77.7 R  |                           |              |    |                        |               |
| Status: Eroding   |                           |              |    |                        |               |
| 2017 Field Notes: Minor new erosion.  |                           |              |    |                        |               |
| Site History: 2006 - Eddy scour off end of rock causing erosion and scour hole near levee. Sandy silt bank with rock on upstream end. |                           |              |    |                        |               |
| 2010 - Trees are leaning more, minor new erosion. 2011 - Many of the tree roots have scoured out and trees look ready to fall.        |                           |              |    |                        |               |

Photo 1 of 1 : FA\_2019\_RD1600\_191\_23\_20190829\_00013.jpg



USACE 2013 Photo #1

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



# Reclamation District No. 1600 Mull

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 7.23                    | Rating **    | A/W | Issue No.              | 21            |
| LM End   | 7.23                    | Issue Type + | Ma  | Location *             | WS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Erosion / Bank Caving   |              |     | 38.768409 °            | 38.768409 °   |
|  |                         |              |     | -121.597213 °          | -121.597213 ° |
| DWR ID   | DWR_RD1600_01_f_2019_21 |              |     |                        |               |
| Comment Code                                     |                         |              |     |                        |               |
| E1 : Note and monitor erosion site.              |                         |              |     |                        |               |
| Inspector Comment                                |                         |              |     |                        |               |
| Erosion on waterside berm. Not within the prism. |                         |              |     |                        |               |

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>7.23</b> | Rating **    | A/W | Issue No.  | <b>21 (cont)</b> |
| LM End   | <b>7.23</b> | Issue Type + | Ma  | Location * | WS               |

Photo 1 of 3 : FA\_2019\_RD1600\_191\_21\_20190829\_00008.jpg



The erosion is eroding away the berm area.

Photo 2 of 3 : FA\_2019\_RD1600\_191\_21\_20190829\_00009.jpg



The bank is eroding away and has become very steep.

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>7.23</b> | Rating **    | A/W | Issue No.  | <b>21 (cont)</b> |
| LM End   | <b>7.23</b> | Issue Type + | Ma  | Location * | WS               |

Photo 3 of 3 : FA\_2019\_RD1600\_191\_21\_20190829\_00010.jpg



View of the erosion along the waterward berm of the levee. Fall 2015.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach<br>Jojola |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 7.38                    | Rating **    | M  | Issue No.              | 81            |
| LM End  | 7.38                    | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Vegetation              |              |    | 38.770338 °            | 38.770338 °   |
|   |                         |              |    | -121.598542 °          | -121.598542 ° |
| DWR ID  | DWR_RD1600_01_s_2019_81 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
|   |                         |              |    |                        |               |

No Photos

|   |                            |              |    |                        |               |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 7.56                       | Rating **    | M  | Issue No.              | 1210          |
| LM End  | 7.56                       | Issue Type + | En | Location *             |               |
| Category  | Supplemental               |              |    | GPS Latitude/Longitude |               |
|   |                            |              |    | Start                  | End           |
| Item  | DRAFT DWR UCIP Field Study |              |    | 38.772560 °            | 38.772560 °   |
|   |                            |              |    | -121.600153 °          | -121.600153 ° |
| DWR ID  | 25464                      |              |    |                        |               |
| Comment Code  |                            |              |    |                        |               |
|   |                            |              |    |                        |               |
| Inspector Comment   |                            |              |    |                        |               |
| DS_ID:25464   |                            |              |    |                        |               |
| FS_ID:50169   |                            |              |    |                        |               |
| EP_NO: 18849  |                            |              |    |                        |               |
| Repair Type: Non-Urgent   |                            |              |    |                        |               |
| Crossing Status: Found  |                            |              |    |                        |               |
| UCIP Comments: 08/15/2016 - Pipe appears in good condition overall.   |                            |              |    |                        |               |
| Standing water found in riser for siphon breaker. Pump was not in operation during field visit. (T. Hatch/UCIP)   |                            |              |    |                        |               |
| FIELD_STRUCT_DESC: 24-inch welded steel irrigation pipe through the levee, 2 feet below the crown. Positive closure device in a steel riser with a lid on the waterside (WS) hinge of the levee. Siphon breaker in a steel riser with lid on the landside (LS) hinge of the levee. Distribution box on the LS toe. (Installed under Permit No. 18849, 2014 - Bypass Farms). |                            |              |    |                        |               |
| FS Date: 8/15/2016  |                            |              |    |                        |               |

Photo 1 of 3 : UCIP\_FA\_2019\_50169\_75607.jpg



view along the levee crown looking downstream. WS slope of the levee is visible.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|   |                            |              |    |                        |             |               |
|---|----------------------------|--------------|----|------------------------|-------------|---------------|
| LM Start  | 7.56                       | Rating **    | M  | Issue No.              | 1210 (cont) |               |
| LM End  | 7.56                       | Issue Type + | En | Location *             |             |               |
| Category  | Supplemental               |              |    | GPS Latitude/Longitude |             |               |
|   |                            |              |    | Start                  |             | End           |
| Item  | DRAFT DWR UCIP Field Study |              |    | 38.772560 °            |             | 38.772560 °   |
|   |                            |              |    | -121.600153 °          |             | -121.600153 ° |
| DWR ID  | 25464                      |              |    |                        |             |               |
| Comment Code  |                            |              |    |                        |             |               |
|   |                            |              |    |                        |             |               |
| Inspector Comment   |                            |              |    |                        |             |               |
| DS_ID:25464<br>FS_ID:50169<br>EP_NO: 18849<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 08/15/2016 - Pipe appears in good condition overall. Standing water found in riser for siphon breaker. Pump was not in operation during field visit. (T. Hatch/UCIP)<br>FIELD_STRUCT_DESC: 24-inch welded steel irrigation pipe through the levee, 2 feet below the crown. Positive closure device in a steel riser with a lid on the waterside (WS) hinge of the levee. Siphon breaker in a steel riser with lid on the landside (LS) hinge of the levee. Distribution box on the LS toe. (Installed under Permit No. 18849, 2014 - Bypass Farms).<br>FS Date: 8/15/2016 |                            |              |    |                        |             |               |

|          |             |              |    |            |                    |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | <b>7.56</b> | Rating **    | M  | Issue No.  | <b>1210 (cont)</b> |
| LM End   | <b>7.56</b> | Issue Type + | En | Location * |                    |

Photo 2 of 3 : UCIP\_FA\_2019\_50169\_75608.jpg



view of positive closure device in metal riser on WS shoulder of levee.

Photo 3 of 3 : UCIP\_FA\_2019\_50169\_75609.jpg



view of levee crown looking upstream from pipe location.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|   |                            |              |    |                        |              |
|---|----------------------------|--------------|----|------------------------|--------------|
| LM Start  | 8.03                       | Rating **    | M  | Issue No.              | 1211         |
| LM End  | 8.03                       | Issue Type + | En | Location *             |              |
| Category  | Supplemental               |              |    | GPS Latitude/Longitude |              |
|   |                            |              |    | Start                  | End          |
| Item  | DRAFT DWR UCIP Field Study |              |    | 38.777799°             | 38.777799°   |
|   |                            |              |    | -121.605763°           | -121.605763° |
| DWR ID  | 21480                      |              |    |                        |              |
| Comment Code  |                            |              |    |                        |              |
|   |                            |              |    |                        |              |
| Inspector Comment   |                            |              |    |                        |              |
| DS_ID:21480<br>FS_ID:16310<br>EP_NO: 7339<br>Repair Type: Non-Urgent<br>Crossing Status: Indicator Found<br>UCIP Comments: Need to determine disposition of pipe. If abandoned, it should be done so properly.<br>FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 3.8 feet below the crown. Steel plate welded on the waterside (WS) end. Pipe not visible on either slope. Pylons in river at the WS toe, and a 4-foot-diameter steel standpipe on the landside (LS) toe. Seepage area at the landside (LS) toe. (Permit No. 7339, 1971 - Layton Knaggs).<br>[Additional Reference(s): DWR Levee Log, 1988].<br>FS Date: 6/20/2013 |                            |              |    |                        |              |

Photo 1 of 1 : UCIP\_FA\_2019\_16310\_27485.jpg



4-foot diameter steel standpipe at LS toe, may be indicator of pipe location.

|   |                            |              |    |                        |              |
|---|----------------------------|--------------|----|------------------------|--------------|
| LM Start  | 9.48                       | Rating **    | U  | Issue No.              | 1212         |
| LM End  | 9.48                       | Issue Type + | En | Location *             |              |
| Category  | Supplemental               |              |    | GPS Latitude/Longitude |              |
|   |                            |              |    | Start                  | End          |
| Item  | DRAFT DWR UCIP Field Study |              |    | 38.777552°             | 38.777552°   |
|   |                            |              |    | -121.627684°           | -121.627684° |
| DWR ID  | 21481                      |              |    |                        |              |
| Comment Code  |                            |              |    |                        |              |
|   |                            |              |    |                        |              |
| Inspector Comment   |                            |              |    |                        |              |
| DS_ID:21481<br>FS_ID:55622<br>EP_NO: 1960<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 11/12/2019 A levee inspector reported to the Board excavating within 10-foot landside easement. (O.Yakimov - DWR UCIP)<br>FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee, 3.6 feet below the crown. Slant pump on the waterside (WS) slope with a butterfly valve. Metal cutoff wall. 5-foot-diameter corrugated metal pipe (CMP) standpipe on the landside (LS) toe. Vent in 24-inch corrugated metal pipe (CMP) riser on the LS shoulder. 3.5-inch polyvinyl chloride (PVC) electrical conduit at the same location. (Permit No. 1960, 1954 - LDS Church). [Additional Reference(s): DWR Levee Log, 1988].<br>FS Date: 11/12/2019 3:21:53 PM |                            |              |    |                        |              |

Photo 1 of 3 : UCIP\_FA\_2019\_55622\_82178.jpg



Excavation near LS levee toe

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|   |                            |              |    |                        |               |  |
|---|----------------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 9.48                       | Rating **    | U  | Issue No.              | 1212 (cont)   |  |
| LM End  | 9.48                       | Issue Type + | En | Location *             |               |  |
| Category  | Supplemental               |              |    | GPS Latitude/Longitude |               |  |
|   |                            |              |    | Start                  | End           |  |
| Item  | DRAFT DWR UCIP Field Study |              |    | 38.777552 °            | 38.777552 °   |  |
|   |                            |              |    | -121.627684 °          | -121.627684 ° |  |
| DWR ID  | 21481                      |              |    |                        |               |  |
| Comment Code  |                            |              |    |                        |               |  |
|   |                            |              |    |                        |               |  |
| Inspector Comment   |                            |              |    |                        |               |  |
| DS_ID:21481<br>FS_ID:55622<br>EP_NO: 1960<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 11/12/2019 A levee inspector reported to the Board excavating within 10-foot landside easement. (O.Yakimov - DWR UCIP)<br>FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee, 3.6 feet below the crown. Slant pump on the waterside (WS) slope with a butterfly valve. Metal cutoff wall. 5-foot-diameter corrugated metal pipe (CMP) standpipe on the landside (LS) toe. Vent in 24-inch corrugated metal pipe (CMP) riser on the LS shoulder. 3.5-inch polyvinyl chloride (PVC) electrical conduit at the same location. (Permit No. 1960, 1954 - LDS Church). [Additional Reference(s): DWR Levee Log, 1988].<br>FS Date: 11/12/2019 3:21:53 PM |                            |              |    |                        |               |  |

|          |             |              |    |            |                    |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | <b>9.48</b> | Rating **    | U  | Issue No.  | <b>1212 (cont)</b> |
| LM End   | <b>9.48</b> | Issue Type + | En | Location * |                    |

Photo 2 of 3 : UCIP\_FA\_2019\_55622\_82179.jpg



Excavation near LS levee toe

Photo 3 of 3 : UCIP\_FA\_2019\_55622\_82180.jpg



Excavation near LS levee toe

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach<br>Jojola |

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 9.59                      | Rating **    | M  | Issue No.              | 25            |
| LM End   | 9.73                      | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | Vegetation                |              |    | 38.776485 °            | 38.775181 °   |
|  |                           |              |    | -121.629095 °          | -121.631070 ° |
| DWR ID   | DWR_RD1600_01_s _ 2019_25 |              |    |                        |               |
| Comment Code   |                           |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                           |              |    |                        |               |
| Inspector Comment  |                           |              |    |                        |               |
|  |                           |              |    |                        |               |

No Photos

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 9.85                      | Rating **    | M  | Issue No.              | 14            |
| LM End   | 10.01                     | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | Vegetation                |              |    | 38.773458 °            | 38.771198 °   |
|  |                           |              |    | -121.631753 °          | -121.631637 ° |
| DWR ID   | DWR_RD1600_01_s _ 2019_14 |              |    |                        |               |
| Comment Code   |                           |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                           |              |    |                        |               |
| Inspector Comment  |                           |              |    |                        |               |
|  |                           |              |    |                        |               |

No Photos

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 10.23                     | Rating **    | M  | Issue No.              | 66            |
| LM End   | 10.45                     | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | Vegetation                |              |    | 38.768160 °            | 38.765406 °   |
|  |                           |              |    | -121.632950 °          | -121.635004 ° |
| DWR ID   | DWR_RD1600_01_f _ 2016_66 |              |    |                        |               |
| Comment Code   |                           |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                           |              |    |                        |               |
| Inspector Comment  |                           |              |    |                        |               |
|  |                           |              |    |                        |               |

Photo 1 of 1 : FA\_2019\_RD1600\_191\_66\_20190829\_00024.jpg



Vegetation on WS slope has been cleared only about 10 ft. from the crown. Fall 2016.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 10.46      | 11/05/2019<br>11/05/2019 | Zach Jojola |

|   |                           |              |    |                        |               |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start                                  | 10.38                     | Rating **    | M  | Issue No.              | 1202          |
| LM End                                    | 10.45                     | Issue Type + | En | Location *             | WS            |
| Category                                  | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|   |                           |              |    | Start                  | End           |
| Item                                      | Encroachments             |              |    | 38.766363 °            | 38.765402 °   |
|   |                           |              |    | -121.634317 °          | -121.635005 ° |
| DWR ID                                    | DWR_RD1600_01_s_2015_1202 |              |    |                        |               |
| Comment Code                              |                           |              |    |                        |               |
| DE : Debris                               |                           |              |    |                        |               |
| Inspector Comment                         |                           |              |    |                        |               |
| Concrete pipes and blocks on levee crown. |                           |              |    |                        |               |

Photo 1 of 1 : FA\_2019\_RD1600\_191\_1202\_20190829\_00033.jpg



View of debris on the waterward side of the levee looking upstream.  
Spring 2015.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2019 Levee Inspection Results**

**Reclamation District No. 1600 Mull**

| Waterway                               |                         |                           | Bank                           | Unit Miles                      |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 02 Yolo Bypass                |                         |                           | Left                           | 4.23                            |
|  | Spring<br>(March - May) | Summer<br>(June - August) | (September - November)<br>Fall | Winter<br>(December - February) |
| Unit Maintenance Rating<br>(Fall Only) |                         |                           | <b>U</b>                       |                                 |
| Date of Inspection                     | 3/5/2019 - 3/5/2019     |                           | 11/5/2019 - 11/5/2019          |                                 |
| DWR Inspector                          | Zach Jojola             |                           | Zach Jojola                    |                                 |
| Accompanied By                         | Alberto De Leon<br>DWR  |                           |                                |                                 |

**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. 1600 Mull**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Yolo Bypass | Left | 4.23       | 11/05/2019<br>11/05/2019 | Zach Jojola |

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 0.92                    | Rating **    | A/W | Issue No.              | 23            |
| LM End   | 1.40                    | Issue Type + | Ma  | Location *             | WS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Erosion / Bank Caving   |              |     | 38.722948 °            | 38.716108 °   |
|  |                         |              |     | -121.633477 °          | -121.634930 ° |
| DWR ID   | DWR_RD1600_02_s_2017_23 |              |     |                        |               |
| Comment Code   |                         |              |     |                        |               |
| E2 : Schedule repair of erosion site prior to the next inspection. |                         |              |     |                        |               |
| Inspector Comment  |                         |              |     |                        |               |
| Long section of wave wash damage on waterside levee slope.         |                         |              |     |                        |               |

Photo 1 of 1 : FA\_2019\_RD1600\_192\_23\_20190829\_00017.jpg



View of wave wash damage on waterside levee slope. Spring 2017.

|  |                   |              |    |                        |               |  |
|--|-------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 0.92              | Rating **    | M  | Issue No.              | 16            |  |
| LM End   | 1.40              | Issue Type + | Ma | Location *             |               |  |
| Category   | Supplemental      |              |    | GPS Latitude/Longitude |               |  |
|  |                   |              |    | Start                  | End           |  |
| Item   | 2017 Storm Damage |              |    | 38.722935 °            | 38.716072 °   |  |
|  |                   |              |    | -121.633456 °          | -121.634937 ° |  |
| DWR ID   | RD 1600-03        |              |    |                        |               |  |
| Comment Code   |                   |              |    |                        |               |  |
|  |                   |              |    |                        |               |  |
| Inspector Comment  |                   |              |    |                        |               |  |
| Levee Evaluation Comments  |                   |              |    |                        |               |  |
| Description:   |                   |              |    |                        |               |  |
| Site ID No:203   |                   |              |    |                        |               |  |
| Site Designation:RD 1600-03  |                   |              |    |                        |               |  |
| Repair Type: Erosion   |                   |              |    |                        |               |  |
| Rating:Area of Concern   |                   |              |    |                        |               |  |
| Field Date:6/5/2017  |                   |              |    |                        |               |  |
| Notes: Site located inside bounds of 1600-01, same evaluation.   |                   |              |    |                        |               |  |
|  |                   |              |    |                        |               |  |
| DWR Inspector Comment: Approximately 1' exposed scarp at worst sections. Recommend repairing after flood season. |                   |              |    |                        |               |  |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Yolo Bypass | Left | 4.23       | 11/05/2019<br>11/05/2019 | Zach Jojola |

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 1.56                   | Rating **    | U  | Issue No.              | 8             |
| LM End   | 1.62                   | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Slope Stability        |              |    | 38.713900 °            | 38.713047 °   |
|  |                        |              |    | -121.635817 °          | -121.636154 ° |
| DWR ID   | DWR_RD1600_02_s_2019_8 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| S1 : Repair slope instability.   |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| 300' sloughing section with multiple plateaus of exposed scarp. The LMA placed visqueen over the issue and will continue to monitor until a repair can be completed. |                        |              |    |                        |               |

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>1.56</b> | Rating **    | U  | Issue No.  | <b>8 (cont)</b> |
| LM End   | <b>1.62</b> | Issue Type + | Ma | Location * | LS              |

Photo 1 of 3 : FA\_2019\_RD1600\_192\_8\_20191112\_00024.jpg



View of sloughing on the landside slope. Fall 2019.

Photo 2 of 3 : FA\_2019\_RD1600\_192\_8\_20190829\_00003.jpg



View of sloughing on the landside slope. Spring 2019.

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>1.56</b> | Rating **    | U  | Issue No.  | <b>8 (cont)</b> |
| LM End   | <b>1.62</b> | Issue Type + | Ma | Location * | LS              |

Photo 3 of 3 : FA\_2019\_RD1600\_192\_8\_20190829\_00004.jpg



Additional view of sloughing. Spring 2019.

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Yolo Bypass | Left | 4.23       | 11/05/2019<br>11/05/2019 | Zach Jojola |

|                                     |                         |              |     |                        |               |
|-------------------------------------|-------------------------|--------------|-----|------------------------|---------------|
| LM Start                            | 1.79                    | Rating **    | A/W | Issue No.              | 14            |
| LM End                              | 2.05                    | Issue Type + | Ma  | Location *             | WS            |
| Category                            | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|                                     |                         |              |     | Start                  | End           |
| Item                                | Erosion / Bank Caving   |              |     | 38.710763 °            | 38.707116 °   |
|                                     |                         |              |     | -121.637147 °          | -121.638722 ° |
| DWR ID                              | DWR_RD1600_02_s_2019_14 |              |     |                        |               |
| Comment Code                        |                         |              |     |                        |               |
| E1 : Note and monitor erosion site. |                         |              |     |                        |               |
| Inspector Comment                   |                         |              |     |                        |               |
|                                     |                         |              |     |                        |               |

Photo 1 of 4 : FA\_2019\_RD1600\_192\_14\_20190829\_00006.jpg



A closer view of the wave wash damage along the bypass.

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>1.79</b> | Rating **    | A/W | Issue No.  | <b>14 (cont)</b> |
| LM End   | <b>2.05</b> | Issue Type + | Ma  | Location * | WS               |

Photo 2 of 4 : FA\_2019\_RD1600\_192\_14\_20190829\_00007.jpg



Wave wash damage along the slope the cut is 1'-2'.

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>1.79</b> | Rating **    | A/W | Issue No.  | <b>14 (cont)</b> |
| LM End   | <b>2.05</b> | Issue Type + | Ma  | Location * | WS               |

Photo 3 of 4 : FA\_2019\_RD1600\_192\_14\_20190829\_00008.jpg



View of the erosion on the waterward side of the levee looking downstream. Fall 2015.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Yolo Bypass | Left | 4.23       | 11/05/2019<br>11/05/2019 | Zach Jojola |

|                                     |                         |              |     |                        |           |               |
|-------------------------------------|-------------------------|--------------|-----|------------------------|-----------|---------------|
| LM Start                            | 1.79                    | Rating **    | A/W | Issue No.              | 14 (cont) |               |
| LM End                              | 2.05                    | Issue Type + | Ma  | Location *             | WS        |               |
| Category                            | Earthen Levee           |              |     | GPS Latitude/Longitude |           |               |
|                                     |                         |              |     | Start                  |           | End           |
| Item                                | Erosion / Bank Caving   |              |     | 38.710763 °            |           | 38.707116 °   |
|                                     |                         |              |     | -121.637147 °          |           | -121.638722 ° |
| DWR ID                              | DWR_RD1600_02_s_2019_14 |              |     |                        |           |               |
| Comment Code                        |                         |              |     |                        |           |               |
| E1 : Note and monitor erosion site. |                         |              |     |                        |           |               |
| Inspector Comment                   |                         |              |     |                        |           |               |
|                                     |                         |              |     |                        |           |               |

Photo 4 of 4 : FA\_2019\_RD1600\_192\_14\_20190829\_00009.jpg



View of erosion site on WS slope. Fall 2016.

|   |                   |              |    |                        |               |
|---|-------------------|--------------|----|------------------------|---------------|
| LM Start  | 1.79              | Rating **    | M  | Issue No.              | 17            |
| LM End  | 2.27              | Issue Type + | Ma | Location *             |               |
| Category  | Supplemental      |              |    | GPS Latitude/Longitude |               |
|   |                   |              |    | Start                  | End           |
| Item  | 2017 Storm Damage |              |    | 38.710763 °            | 38.704121 °   |
|   |                   |              |    | -121.637147 °          | -121.639992 ° |
| DWR ID  | RD 1600-01        |              |    |                        |               |
| Comment Code  |                   |              |    |                        |               |
|   |                   |              |    |                        |               |
| Inspector Comment   |                   |              |    |                        |               |
| Levee Evaluation Comments                                 |                   |              |    |                        |               |
| Description:  |                   |              |    |                        |               |
| Site ID No:202  |                   |              |    |                        |               |
| Site Designation:RD 1600-01                               |                   |              |    |                        |               |
| Repair Type: Erosion                                      |                   |              |    |                        |               |
| Rating:Area of Concern                                    |                   |              |    |                        |               |
| Field Date:6/5/2017                                       |                   |              |    |                        |               |
| Notes: Long stretches of wavewash on the waterside slope. |                   |              |    |                        |               |

Photo 1 of 3 : LEVAL\_FA\_2019\_202\_1210.jpg



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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Yolo Bypass | Left | 4.23       | 11/05/2019<br>11/05/2019 | Zach Jojola |

|  |                   |              |    |                        |           |             |
|--|-------------------|--------------|----|------------------------|-----------|-------------|
| LM Start   | 1.79              | Rating **    | M  | Issue No.              | 17 (cont) |             |
| LM End   | 2.27              | Issue Type + | Ma | Location *             |           |             |
| Category   | Supplemental      |              |    | GPS Latitude/Longitude |           |             |
|  |                   |              |    | Start                  | End       |             |
| Item   | 2017 Storm Damage |              |    | 38.710763              | °         | 38.704121   |
|  |                   |              |    | -121.637147            | °         | -121.639992 |
| DWR ID   | RD 1600-01        |              |    |                        |           |             |
| Comment Code   |                   |              |    |                        |           |             |
|  |                   |              |    |                        |           |             |
| Inspector Comment  |                   |              |    |                        |           |             |
| Levee Evaluation Comments                                |                   |              |    |                        |           |             |
| Description:   |                   |              |    |                        |           |             |
| Site ID No:202   |                   |              |    |                        |           |             |
| Site Designation:RD 1600-01                              |                   |              |    |                        |           |             |
| Repair Type: Erosion                                     |                   |              |    |                        |           |             |
| Rating:Area of Concern                                   |                   |              |    |                        |           |             |
| Field Date:6/5/2017                                      |                   |              |    |                        |           |             |
| Notes: Long streches of wavewash on the waterside slope. |                   |              |    |                        |           |             |

Photo 2 of 3 : LEVAL\_FA\_2019\_202\_369.jpg



Photo 3 of 3 : LEVAL\_FA\_2019\_202\_371.jpg



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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Yolo Bypass | Left | 4.23       | 11/05/2019<br>11/05/2019 | Zach Jojola |

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 1.86                   | Rating **    | M  | Issue No.              | 4             |
| LM End   | 1.89                   | Issue Type + | Ma | Location *             | CR            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Cracking               |              |    | 38.709764 °            | 38.709396 °   |
|  |                        |              |    | -121.637552 °          | -121.637716 ° |
| DWR ID   | DWR_RD1600_02_f_2019_4 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| CR1 : Monitor and have inspected by geotechnical engineer.   |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Large 200' longitudinal crack on the crown. Recommend having a geotechnical engineer conduct a site visit. |                        |              |    |                        |               |

Photo 1 of 1 : FA\_2019\_RD1600\_192\_4\_20191112\_00025.jpg



View of cracking on the crown. Fall 2019.

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start                                     | 2.16                    | Rating **    | A/W | Issue No.              | 15            |
| LM End                                       | 2.27                    | Issue Type + | Ma  | Location *             | WS            |
| Category                                     | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Erosion / Bank Caving   |              |     | 38.705614 °            | 38.704052 °   |
|  |                         |              |     | -121.639357 °          | -121.640016 ° |
| DWR ID                                       | DWR_RD1600_02_s_2012_15 |              |     |                        |               |
| Comment Code                                 |                         |              |     |                        |               |
| E1 : Note and monitor erosion site.          |                         |              |     |                        |               |
| Inspector Comment                            |                         |              |     |                        |               |
| Previous erosion site. Recommend monitoring. |                         |              |     |                        |               |

Photo 1 of 3 : FA\_2019\_RD1600\_192\_15\_20190829\_00010.jpg



Looking upstream a deeper cut of 2'-3' damage.

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>2.16</b> | Rating **    | A/W | Issue No.  | <b>15 (cont)</b> |
| LM End   | <b>2.27</b> | Issue Type + | Ma  | Location * | WS               |

Photo 2 of 3 : FA\_2019\_RD1600\_192\_15\_20190829\_00011.jpg



This is wave wash damage along the toe of the levee looking downstream.

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

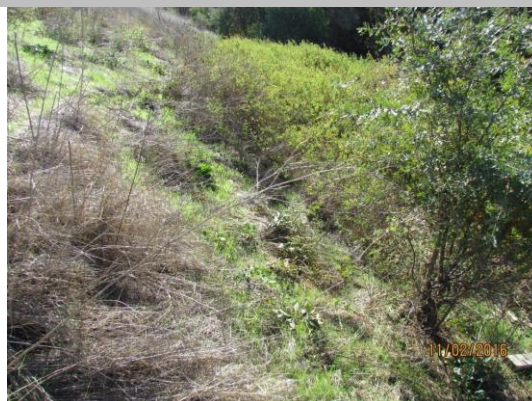
**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Yolo Bypass | Left | 4.23       | 11/05/2019<br>11/05/2019 | Zach Jojola |

|  |                         |              |     |                        |               |  |
|--|-------------------------|--------------|-----|------------------------|---------------|--|
| LM Start                                     | 2.16                    | Rating **    | A/W | Issue No.              | 15 (cont)     |  |
| LM End                                       | 2.27                    | Issue Type + | Ma  | Location *             | WS            |  |
| Category                                     | Earthen Levee           |              |     | GPS Latitude/Longitude |               |  |
|  |                         |              |     | Start                  | End           |  |
| Item   | Erosion / Bank Caving   |              |     | 38.705614 °            | 38.704052 °   |  |
|  |                         |              |     | -121.639357 °          | -121.640016 ° |  |
| DWR ID                                       | DWR_RD1600_02_s_2012_15 |              |     |                        |               |  |
| Comment Code                                 |                         |              |     |                        |               |  |
| E1 : Note and monitor erosion site.          |                         |              |     |                        |               |  |
| Inspector Comment                            |                         |              |     |                        |               |  |
| Previous erosion site. Recommend monitoring. |                         |              |     |                        |               |  |

Photo 3 of 3 : FA\_2019\_RD1600\_192\_15\_20190829\_00012.jpg



View of wave wash damage on WS slope. Fall 2016.

|                                  |                         |              |    |                        |               |
|----------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start                         | 2.41                    | Rating **    | C  | Issue No.              | 20            |
| LM End                           | 2.41                    | Issue Type + | Ma | Location *             | WS            |
| Category                         | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                                  |                         |              |    | Start                  | End           |
| Item                             | Encroachments           |              |    | 38.702222 °            | 38.702222 °   |
|                                  |                         |              |    | -121.640791 °          | -121.640791 ° |
| DWR ID                           | DWR_RD1600_02_s_2018_20 |              |    |                        |               |
| Comment Code                     |                         |              |    |                        |               |
| PR : Prunings                    |                         |              |    |                        |               |
| Inspector Comment                |                         |              |    |                        |               |
| Prunings on the waterside slope. |                         |              |    |                        |               |

No Photos

|                                 |                         |              |    |                        |               |
|---------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start                        | 2.62                    | Rating **    | C  | Issue No.              | 19            |
| LM End                          | 2.62                    | Issue Type + | Ma | Location *             | LS            |
| Category                        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                                 |                         |              |    | Start                  | End           |
| Item                            | Encroachments           |              |    | 38.699360 °            | 38.699360 °   |
|                                 |                         |              |    | -121.642046 °          | -121.642046 ° |
| DWR ID                          | DWR_RD1600_02_s_2018_19 |              |    |                        |               |
| Comment Code                    |                         |              |    |                        |               |
| PR : Prunings                   |                         |              |    |                        |               |
| Inspector Comment               |                         |              |    |                        |               |
| Prunings on the landside slope. |                         |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector      |
|-------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Yolo Bypass | Left | 4.23       | 11/05/2019<br>11/05/2019 | Zach<br>Jojola |

|   |                        |              |     |                        |               |
|---|------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 2.77                   | Rating **    | A/W | Issue No.              | 3             |
| LM End  | 2.77                   | Issue Type + | Ma  | Location *             | WS            |
| Category  | Earthen Levee          |              |     | GPS Latitude/Longitude |               |
|   |                        |              |     | Start                  | End           |
| Item  | Vegetation             |              |     | 38.697266 °            | 38.697266 °   |
|   |                        |              |     | -121.642952 °          | -121.642952 ° |
| DWR ID  | DWR_RD1600_02_s_2016_3 |              |     |                        |               |
| Comment Code  |                        |              |     |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability. |                        |              |     |                        |               |
| Inspector Comment   |                        |              |     |                        |               |
|   |                        |              |     |                        |               |

No Photos

|                                 |                         |              |    |                        |               |
|---------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start                        | 2.80                    | Rating **    | C  | Issue No.              | 18            |
| LM End                          | 2.80                    | Issue Type + | Ma | Location *             | LS            |
| Category                        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                                 |                         |              |    | Start                  | End           |
| Item                            | Encroachments           |              |    | 38.696837 °            | 38.696837 °   |
|                                 |                         |              |    | -121.643132 °          | -121.643132 ° |
| DWR ID                          | DWR_RD1600_02_s_2018_18 |              |    |                        |               |
| Comment Code                    |                         |              |    |                        |               |
| PR : Prunings                   |                         |              |    |                        |               |
| Inspector Comment               |                         |              |    |                        |               |
| Prunings on the landside slope. |                         |              |    |                        |               |

No Photos

|                                 |                         |              |    |                        |               |
|---------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start                        | 2.97                    | Rating **    | C  | Issue No.              | 30            |
| LM End                          | 2.97                    | Issue Type + | Ma | Location *             | LS            |
| Category                        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                                 |                         |              |    | Start                  | End           |
| Item                            | Encroachments           |              |    | 38.694478 °            | 38.694478 °   |
|                                 |                         |              |    | -121.644116 °          | -121.644116 ° |
| DWR ID                          | DWR_RD1600_02_f_2017_30 |              |    |                        |               |
| Comment Code                    |                         |              |    |                        |               |
| PR : Prunings                   |                         |              |    |                        |               |
| Inspector Comment               |                         |              |    |                        |               |
| Pruning pile on landside slope. |                         |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector      |
|-------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Yolo Bypass | Left | 4.23       | 11/05/2019<br>11/05/2019 | Zach<br>Jojola |

|                                     |                           |              |                        |               |           |
|-------------------------------------|---------------------------|--------------|------------------------|---------------|-----------|
| LM Start                            | <b>3.04</b>               | Rating **    | C                      | Issue No.     | <b>13</b> |
| LM End                              | <b>3.04</b>               | Issue Type + | Ma                     | Location *    | LS        |
| Category                            | Earthen Levee             |              | GPS Latitude/Longitude |               |           |
|                                     |                           |              | Start                  | End           |           |
| Item                                | Encroachments             |              | 38.693494 °            | 38.693494 °   |           |
|                                     |                           |              | -121.644539 °          | -121.644539 ° |           |
| DWR ID                              | DWR_RD1600_02_s _ 2018_13 |              |                        |               |           |
| Comment Code                        |                           |              |                        |               |           |
| PR : Prunings                       |                           |              |                        |               |           |
| Inspector Comment                   |                           |              |                        |               |           |
| Pruning pile on the landside slope. |                           |              |                        |               |           |

No Photos

|                                 |                           |              |                        |               |           |
|---------------------------------|---------------------------|--------------|------------------------|---------------|-----------|
| LM Start                        | <b>3.13</b>               | Rating **    | C                      | Issue No.     | <b>10</b> |
| LM End                          | <b>3.13</b>               | Issue Type + | Ma                     | Location *    | LS        |
| Category                        | Earthen Levee             |              | GPS Latitude/Longitude |               |           |
|                                 |                           |              | Start                  | End           |           |
| Item                            | Encroachments             |              | 38.692324 °            | 38.692324 °   |           |
|                                 |                           |              | -121.644964 °          | -121.644964 ° |           |
| DWR ID                          | DWR_RD1600_02_s _ 2018_10 |              |                        |               |           |
| Comment Code                    |                           |              |                        |               |           |
| PR : Prunings                   |                           |              |                        |               |           |
| Inspector Comment               |                           |              |                        |               |           |
| Prunings on the landside slope. |                           |              |                        |               |           |

No Photos

|   |                          |              |                        |               |          |
|---|--------------------------|--------------|------------------------|---------------|----------|
| LM Start  | <b>3.56</b>              | Rating **    | C                      | Issue No.     | <b>7</b> |
| LM End  | <b>3.56</b>              | Issue Type + | Ma                     | Location *    | LS       |
| Category  | Earthen Levee            |              | GPS Latitude/Longitude |               |          |
|   |                          |              | Start                  | End           |          |
| Item  | Encroachments            |              | 38.686068 °            | 38.686068 °   |          |
|   |                          |              | -121.644790 °          | -121.644790 ° |          |
| DWR ID  | DWR_RD1600_02_s _ 2019_7 |              |                        |               |          |
| Comment Code                                      |                          |              |                        |               |          |
| PR : Prunings                                     |                          |              |                        |               |          |
| Inspector Comment                                 |                          |              |                        |               |          |
| Pruning pile on the landside slope near shoulder. |                          |              |                        |               |          |

No Photos

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Yolo Bypass | Left | 4.23       | 11/05/2019<br>11/05/2019 | Zach Jojola |

|   |                            |              |    |                        |               |  |
|---|----------------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 3.71                       | Rating **    | M  | Issue No.              | 31            |  |
| LM End  | 3.71                       | Issue Type + | En | Location *             |               |  |
| Category  | Supplemental               |              |    | GPS Latitude/Longitude |               |  |
|   |                            |              |    | Start                  | End           |  |
| Item  | DRAFT DWR UCIP Field Study |              |    | 38.683971 °            | 38.683971 °   |  |
|   |                            |              |    | -121.644522 °          | -121.644522 ° |  |
| DWR ID  | 21501                      |              |    |                        |               |  |
| Comment Code  |                            |              |    |                        |               |  |
|   |                            |              |    |                        |               |  |
| Inspector Comment   |                            |              |    |                        |               |  |
| DS_ID:21501<br>FS_ID:52738<br>EP_NO: 10944<br>Repair Type: Non-Urgent<br>Crossing Status: Indicator Found<br>UCIP Comments: 07/17/2018 Gas line markers are not installed.<br>Unable to determine exact location of pipe. Crossing has been downgraded to "Non-Urgent" due to reclassification of gas lines.<br>(O.Yakimov-DWR UCIP)08/16/2016 - unable to locate pipe. Need to install gas line markers on LS and WS of levee crown to denote location. (T. Hatch/UCIP)06/21/2013 - Need to install gasline markers on levee. (W. Wylie/UCIP)<br>FIELD_STRUCT_DESC: 8.625-inch steel gas line through the levee, 2 feet below the crown. (Permit No. 10944, 1975 - Shell Oil Company).<br>[Additional Reference(s): DWR Levee Log, 1988].<br>FS Date: 7/17/2018 3:18:28 PM |                            |              |    |                        |               |  |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.71</b> | Rating **    | M  | Issue No.  | <b>31 (cont)</b> |
| LM End   | <b>3.71</b> | Issue Type + | En | Location * |                  |

Photo 1 of 3 : UCIP\_FA\_2019\_52738\_27478.jpg



PG&E marker flag on Crown.

Photo 2 of 3 : UCIP\_FA\_2019\_52738\_27477.jpg



Carsonite gasline marker visible approximately 1,000-feet east of levee crown.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Yolo Bypass | Left | 4.23       | 11/05/2019<br>11/05/2019 | Zach Jojola |

|   |                            |              |    |                        |               |  |
|---|----------------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 3.71                       | Rating **    | M  | Issue No.              | 31 (cont)     |  |
| LM End  | 3.71                       | Issue Type + | En | Location *             |               |  |
| Category  | Supplemental               |              |    | GPS Latitude/Longitude |               |  |
|   |                            |              |    | Start                  | End           |  |
| Item  | DRAFT DWR UCIP Field Study |              |    | 38.683971 °            | 38.683971 °   |  |
|   |                            |              |    | -121.644522 °          | -121.644522 ° |  |
| DWR ID  | 21501                      |              |    |                        |               |  |
| Comment Code  |                            |              |    |                        |               |  |
|   |                            |              |    |                        |               |  |
| Inspector Comment   |                            |              |    |                        |               |  |
| DS_ID:21501<br>FS_ID:52738<br>EP_NO: 10944<br>Repair Type: Non-Urgent<br>Crossing Status: Indicator Found<br>UCIP Comments: 07/17/2018 Gas line markers are not installed.<br>Unable to determine exact location of pipe. Crossing has been downgraded to "Non-Urgent" due to reclassification of gas lines.<br>(O.Yakimov-DWR UCIP)08/16/2016 - unable to locate pipe. Need to install gas line markers on LS and WS of levee crown to denote location. (T. Hatch/UCIP)06/21/2013 - Need to install gasline markers on levee. (W. Wylie/UCIP)<br>FIELD_STRUCT_DESC: 8.625-inch steel gas line through the levee, 2 feet below the crown. (Permit No. 10944, 1975 - Shell Oil Company).<br>[Additional Reference(s): DWR Levee Log, 1988].<br>FS Date: 7/17/2018 3:18:28 PM |                            |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_FA\_2019\_52738\_77709.jpg



View of levee crown at potential crossing looking upstream.

|                                    |                         |              |    |                        |               |
|------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start                           | 3.73                    | Rating **    | C  | Issue No.              | 12            |
| LM End                             | 3.73                    | Issue Type + | Ma | Location *             | LS            |
| Category                           | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                                    |                         |              |    | Start                  | End           |
| Item                               | Encroachments           |              |    | 38.683589 °            | 38.683589 °   |
|                                    |                         |              |    | -121.644513 °          | -121.644513 ° |
| DWR ID                             | DWR_RD1600_02_s_2018_12 |              |    |                        |               |
| Comment Code                       |                         |              |    |                        |               |
| PR : Prunings                      |                         |              |    |                        |               |
| Inspector Comment                  |                         |              |    |                        |               |
| Prunings on the landside shoulder. |                         |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector      |
|-------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Yolo Bypass | Left | 4.23       | 11/05/2019<br>11/05/2019 | Zach<br>Jojola |

|   |                        |              |    |                        |               |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start  | 3.78                   | Rating **    | M  | Issue No.              | 5             |
| LM End  | 3.78                   | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|   |                        |              |    | Start                  | End           |
| Item  | Slope Stability        |              |    | 38.682947 °            | 38.682947 °   |
|   |                        |              |    | -121.644425 °          | -121.644425 ° |
| DWR ID  | DWR_RD1600_02_f_2018_5 |              |    |                        |               |
| Comment Code  |                        |              |    |                        |               |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                        |              |    |                        |               |
| Inspector Comment   |                        |              |    |                        |               |
| Tire ruts on the landside slope.  |                        |              |    |                        |               |

No Photos

|                             |                           |              |    |                        |               |
|-----------------------------|---------------------------|--------------|----|------------------------|---------------|
| LM Start                    | 3.86                      | Rating **    | C  | Issue No.              | 26            |
| LM End                      | 3.86                      | Issue Type + | Ma | Location *             | LS            |
| Category                    | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|                             |                           |              |    | Start                  | End           |
| Item                        | Encroachments             |              |    | 38.681752 °            | 38.681752 °   |
|                             |                           |              |    | -121.644287 °          | -121.644287 ° |
| DWR ID                      | DWR_RD1600_02_f _ 2017_26 |              |    |                        |               |
| Comment Code                |                           |              |    |                        |               |
| PR : Prunings               |                           |              |    |                        |               |
| Inspector Comment           |                           |              |    |                        |               |
| Prunings on landside slope. |                           |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

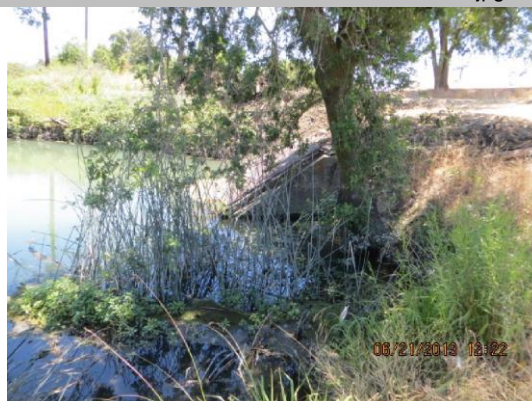
**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Yolo Bypass | Left | 4.23       | 11/05/2019<br>11/05/2019 | Zach Jojola |

|  |                                   |              |     |                        |               |
|--|-----------------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 4.17                              | Rating **    | A/W | Issue No.              | 32            |
| LM End   | 4.17                              | Issue Type + | Ma  | Location *             |               |
| Category   | Supplemental                      |              |     | GPS Latitude/Longitude |               |
|  |                                   |              |     | Start                  | End           |
| Item   | DRAFT DWR UCIP LMA Responsibility |              |     | 38.677286 °            | 38.677286 °   |
|  |                                   |              |     | -121.643683 °          | -121.643683 ° |
| DWR ID   | 21502                             |              |     |                        |               |
| Comment Code   |                                   |              |     |                        |               |
|  |                                   |              |     |                        |               |
| Inspector Comment  |                                   |              |     |                        |               |
| DS_ID:21502  |                                   |              |     |                        |               |
| FS_ID:15303  |                                   |              |     |                        |               |
| EP_NO: N/A   |                                   |              |     |                        |               |
| Repair Type: No Action Needed  |                                   |              |     |                        |               |
| Crossing Status: Found   |                                   |              |     |                        |               |
| UCIP Comments:   |                                   |              |     |                        |               |
| FIELD_STRUCT_DESC: 72-inch by 72-inch reinforced concrete box drainage culvert through the levee, 26 feet below the crown. Slide gate on the waterside (WS) slope in a 9-foot by 10-foot concrete box. Culvert passes under the bypass canal, the railroad, and County Road 22 and terminates in the canal on the southwest side of the County Road 22 bridge. [Additional Reference(s): DWR Levee Log, 1988. USACE Sacramento O&M Manual 123, August 1955, (Station 155+00)]. |                                   |              |     |                        |               |
| FS Date: 6/21/2013   |                                   |              |     |                        |               |

Photo 1 of 3 : UCIP\_FA\_2019\_15303\_25158.jpg



Concrete intake structure on LS.

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>4.17</b> | Rating **    | A/W | Issue No.  | <b>32 (cont)</b> |
| LM End   | <b>4.17</b> | Issue Type + | Ma  | Location * |                  |

Photo 2 of 3 : UCIP\_FA\_2019\_15303\_25157.jpg



Concrete intake structure on LS.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Yolo Bypass | Left | 4.23       | 11/05/2019<br>11/05/2019 | Zach Jojola |

|  |                                   |              |     |                        |               |
|--|-----------------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 4.17                              | Rating **    | A/W | Issue No.              | 32 (cont)     |
| LM End   | 4.17                              | Issue Type + | Ma  | Location *             |               |
| Category   | Supplemental                      |              |     | GPS Latitude/Longitude |               |
|  |                                   |              |     | Start                  | End           |
| Item   | DRAFT DWR UCIP LMA Responsibility |              |     | 38.677286 °            | 38.677286 °   |
|  |                                   |              |     | -121.643683 °          | -121.643683 ° |
| DWR ID   | 21502                             |              |     |                        |               |
| Comment Code   |                                   |              |     |                        |               |
|  |                                   |              |     |                        |               |
| Inspector Comment  |                                   |              |     |                        |               |
| DS_ID:21502  |                                   |              |     |                        |               |
| FS_ID:15303  |                                   |              |     |                        |               |
| EP_NO: N/A   |                                   |              |     |                        |               |
| Repair Type: No Action Needed  |                                   |              |     |                        |               |
| Crossing Status: Found   |                                   |              |     |                        |               |
| UCIP Comments:   |                                   |              |     |                        |               |
| FIELD_STRUCT_DESC: 72-inch by 72-inch reinforced concrete box drainage culvert through the levee, 26 feet below the crown. Slide gate on the waterside (WS) slope in a 9-foot by 10-foot concrete box. Culvert passes under the bypass canal, the railroad, and County Road 22 and terminates in the canal on the southwest side of the County Road 22 bridge. [Additional Reference(s): DWR Levee Log, 1988. USACE Sacramento O&M Manual 123, August 1955, (Station 155+00)]. |                                   |              |     |                        |               |
| FS Date: 6/21/2013   |                                   |              |     |                        |               |

Photo 3 of 3 : UCIP\_FA\_2019\_15303\_25156.jpg



Slide gate in 9'X10' concrete box on WS slope.

|   |                        |              |    |                        |               |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start                                | 4.19                   | Rating **    | M  | Issue No.              | 6             |
| LM End                                  | 4.19                   | Issue Type + | Ma | Location *             | LS            |
| Category                                | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|   |                        |              |    | Start                  | End           |
| Item                                    | Encroachments          |              |    | 38.677121 °            | 38.677121 °   |
|   |                        |              |    | -121.643466 °          | -121.643466 ° |
| DWR ID                                  | DWR_RD1600_02_s_2016_6 |              |    |                        |               |
| Comment Code                            |                        |              |    |                        |               |
| TR : Tree or limb                       |                        |              |    |                        |               |
| Inspector Comment                       |                        |              |    |                        |               |
| Remove wood debris from landside slope. |                        |              |    |                        |               |

Photo 1 of 2 : FA\_2019\_RD1600\_192\_6\_20190829\_00001.jpg



View of the trees on the landward side of the levee looking downstream.  
Spring 2016.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 1600 Mull**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector   |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 02 Yolo Bypass | Left | 4.23       | 11/05/2019<br>11/05/2019 | Zach Jojola |

|   |                        |              |    |                        |              |     |
|---|------------------------|--------------|----|------------------------|--------------|-----|
| LM Start                                | 4.19                   | Rating **    | M  | Issue No.              | 6 (cont)     |     |
| LM End                                  | 4.19                   | Issue Type + | Ma | Location *             | LS           |     |
| Category                                | Earthen Levee          |              |    | GPS Latitude/Longitude |              |     |
|   |                        |              |    | Start                  |              | End |
| Item                                    | Encroachments          |              |    | 38.677121°             | 38.677121°   |     |
|   |                        |              |    | -121.643466°           | -121.643466° |     |
| DWR ID                                  | DWR_RD1600_02_s_2016_6 |              |    |                        |              |     |
| Comment Code                            |                        |              |    |                        |              |     |
| TR : Tree or limb                       |                        |              |    |                        |              |     |
| Inspector Comment                       |                        |              |    |                        |              |     |
| Remove wood debris from landside slope. |                        |              |    |                        |              |     |

Photo 2 of 2 : FA\_2019\_RD1600\_192\_6\_20190829\_00002.jpg



View of debris on LS slope. Fall 2016.

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