

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2024

### Reclamation District No. 0787 Fair

| Waterway                       | Bank | Unit Miles | Inspection Start/End     | Inspector      |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 01 Colusa Basin Drain | Left | 4.45       | 03/05/2024<br>03/05/2024 | Zach<br>Jojola |

|   |                                |              |    |                        |     |
|---|--------------------------------|--------------|----|------------------------|-----|
| LM Start  |                                | Rating **    | A  | Issue No.              | 7   |
| LM End  |                                | Issue Type + | Ma | Location *             | N/A |
| Category  | Earthen Levee                  |              |    | GPS Latitude/Longitude |     |
|   |                                |              |    | Start                  | End |
| Item  | Emergency Supplies & Equipment |              |    | °                      | °   |
|   |                                |              |    | °                      | °   |
| DWR ID  | DWR_RD0787_01_s_2013_7         |              |    |                        |     |
| Comment Code  |                                |              |    |                        |     |
| ES : Emergency Supplies & Equipment   |                                |              |    |                        |     |
| Inspector Comment   |                                |              |    |                        |     |
| RD 787 shares flood resources with RD 108 with a stockpile of flood response materials. |                                |              |    |                        |     |

No Photos

|                                     |                                  |              |    |                        |     |
|-------------------------------------|----------------------------------|--------------|----|------------------------|-----|
| LM Start                            |                                  | Rating **    | A  | Issue No.              | 8   |
| LM End                              |                                  | Issue Type + | Ma | Location *             | N/A |
| Category                            | Earthen Levee                    |              |    | GPS Latitude/Longitude |     |
|                                     |                                  |              |    | Start                  | End |
| Item                                | Operations & Maintenance Manuals |              |    | °                      | °   |
|                                     |                                  |              |    | °                      | °   |
| DWR ID                              | DWR_RD0787_01_s_2013_8           |              |    |                        |     |
| Comment Code                        |                                  |              |    |                        |     |
| OM : O&M Manuals                    |                                  |              |    |                        |     |
| Inspector Comment                   |                                  |              |    |                        |     |
| RD 787 is current with O&M manuals. |                                  |              |    |                        |     |

No Photos

|  |                               |              |    |                        |     |
|--|-------------------------------|--------------|----|------------------------|-----|
| LM Start   |                               | Rating **    | A  | Issue No.              | 10  |
| LM End   |                               | Issue Type + | Ma | Location *             | N/A |
| Category   | Earthen Levee                 |              |    | GPS Latitude/Longitude |     |
|  |                               |              |    | Start                  | End |
| Item   | Flood Preparedness & Training |              |    | °                      | °   |
|  |                               |              |    | °                      | °   |
| DWR ID   | DWR_RD0787_01_s_2012_10       |              |    |                        |     |
| Comment Code   |                               |              |    |                        |     |
| FP : Flood Preparedness & Training                               |                               |              |    |                        |     |
| Inspector Comment  |                               |              |    |                        |     |
| RD 787 works jointly with RD 108 on training and flood response. |                               |              |    |                        |     |

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 |
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|   |                        |              |    |                        |              |
|---|------------------------|--------------|----|------------------------|--------------|
| LM Start  | 0.11                   | Rating **    | M  | Issue No.              | 4            |
| LM End  | 0.11                   | Issue Type + | Ma | Location *             | WS           |
| Category  | Earthen Levee          |              |    | GPS Latitude/Longitude |              |
|   |                        |              |    | Start                  | End          |
| Item  | Vegetation             |              |    | 38.798435°             | 38.798435°   |
|   |                        |              |    | -121.726583°           | -121.726583° |
| DWR ID  | DWR_RD0787_01_s_2024_4 |              |    |                        |              |
| Comment Code  |                        |              |    |                        |              |
| V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes. |                        |              |    |                        |              |
| Inspector Comment   |                        |              |    |                        |              |
| Thin out woody vegetation on the waterside slope.   |                        |              |    |                        |              |

Photo 1 of 1 : SP\_2024\_RD0787\_212\_4\_20240305\_00006.jpg



View of woody vegetation on the waterside slope. Spring 2024.

|  |                           |              |     |                        |              |
|--|---------------------------|--------------|-----|------------------------|--------------|
| LM Start   | 0.39                      | Rating **    | A/W | Issue No.              | 2            |
| LM End   | 0.50                      | Issue Type + | Ma  | Location *             | WS           |
| Category   | Supplemental              |              |     | GPS Latitude/Longitude |              |
|  |                           |              |     | Start                  | End          |
| Item   | 2018 USACE Erosion Survey |              |     | 38.795931°             | 38.795268°   |
|  |                           |              |     | -121.730627°           | -121.732566° |
| DWR ID   | DWR_RD0787_01_f_2018_2    |              |     |                        |              |
| Comment Code   |                           |              |     |                        |              |
|  |                           |              |     |                        |              |
| Inspector Comment  |                           |              |     |                        |              |
| 2017 Site ID: CBD 0.5 L  |                           |              |     |                        |              |
| Status: Eroding  |                           |              |     |                        |              |
| 2017 Field Notes: Wide levee section, roughly 40 ft.   |                           |              |     |                        |              |
| Site History: 2011 - Large scallops throughout the entire reach. Toe scour due to tree pop-outs, resulting in a steepening slope. The reduced resistive forces plus clay levee may increase the loading. |                           |              |     |                        |              |
| Additional erosion due to human use.   |                           |              |     |                        |              |

Photo 1 of 1 : SP\_2024\_RD0787\_212\_2\_20240304\_00001.jpg



View of beginning of erosion, looking upstream. Spring 2022.

|  |  |   |  |  |  |
|--|--|---|--|--|--|
| <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 |  |
|--|--|---|--|--|--|

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|  |                           |              |     |                        |              |
|--|---------------------------|--------------|-----|------------------------|--------------|
| LM Start   | 0.67                      | Rating **    | A/W | Issue No.              | 3            |
| LM End   | 0.85                      | Issue Type + | Ma  | Location *             | WS           |
| Category   | Supplemental              |              |     | GPS Latitude/Longitude |              |
|  |                           |              |     | Start                  | End          |
| Item   | 2018 USACE Erosion Survey |              |     | 38.795486°             | 38.796225°   |
|  |                           |              |     | -121.735647°           | -121.738902° |
| DWR ID   | DWR_RD0787_01_f_2018_3    |              |     |                        |              |
| Comment Code   |                           |              |     |                        |              |
|  |                           |              |     |                        |              |
| Inspector Comment  |                           |              |     |                        |              |
| 2017 Site ID: CBD 0.9 L  |                           |              |     |                        |              |
| Status: Eroding  |                           |              |     |                        |              |
| 2017 Field Notes: Oversized embankment.                              |                           |              |     |                        |              |
| Site History: 2011 - Large scallops throughout the entire reach. Toe |                           |              |     |                        |              |
| scour due to tree pop-outs, resulting in a steepening slope. The     |                           |              |     |                        |              |
| reduced resistive forces plus clay levee may increase the loading.   |                           |              |     |                        |              |

Photo 1 of 1 : SP\_2024\_RD0787\_212\_3\_20240304\_00002.jpg



View of erosion from the crown. Spring 2022.

|   |                        |              |    |                        |              |
|---|------------------------|--------------|----|------------------------|--------------|
| LM Start  | 3.65                   | Rating **    | M  | Issue No.              | 5            |
| LM End  | 3.65                   | Issue Type + | Ma | Location *             | LS           |
| Category  | Earthen Levee          |              |    | GPS Latitude/Longitude |              |
|   |                        |              |    | Start                  | End          |
| Item  | Slope Stability        |              |    | 38.816807°             | 38.816807°   |
|   |                        |              |    | -121.783298°           | -121.783298° |
| DWR ID  | DWR_RD0787_01_s_2024_5 |              |    |                        |              |
| Comment Code  |                        |              |    |                        |              |
| S1 : Repair slope instability.  |                        |              |    |                        |              |
| Inspector Comment   |                        |              |    |                        |              |
| There is approximately 1' of settlement on the landside shoulder with slight bulging on the landside slope near the toe. The district and their engineer are monitoring this location for further movement. |                        |              |    |                        |              |

Photo 1 of 2 : SP\_2024\_RD0787\_212\_5\_20240305\_00007.jpg



View of settlement on the landside shoulder. Spring 2024.

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>3.65</b> | Rating **    | M  | Issue No.  | <b>5 (cont)</b> |
| LM End   | <b>3.65</b> | Issue Type + | Ma | Location * | LS              |

Photo 2 of 2 : SP\_2024\_RD0787\_212\_5\_20240305\_00008.jpg



View of bulging at the landside toe. Spring 2024.

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