

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|-------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Yolo Bypass | Right | 3.60       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|                                 |                                  |              |                        |            |          |
|---------------------------------|----------------------------------|--------------|------------------------|------------|----------|
| LM Start                        |                                  | Rating **    | A                      | Issue No.  | <b>3</b> |
| LM End                          |                                  | Issue Type + | Ma                     | Location * | WS       |
| Category                        | Earthen Levee                    |              | GPS Latitude/Longitude |            |          |
|                                 |                                  |              | Start                  | End        |          |
| Item                            | Operations & Maintenance Manuals |              |                        | °          | °        |
| DWR ID                          | DWR_RD2098_01_f_2014_3           |              |                        |            |          |
| Comment Code                    |                                  |              |                        |            |          |
|                                 |                                  |              |                        |            |          |
| Inspector Comment               |                                  |              |                        |            |          |
| RD 2098 Has on file O+M Manual. |                                  |              |                        |            |          |

No Photos

|   |                                |              |                        |            |          |
|---|--------------------------------|--------------|------------------------|------------|----------|
| LM Start  |                                | Rating **    | A                      | Issue No.  | <b>4</b> |
| LM End  |                                | Issue Type + | Ma                     | Location * | WS       |
| Category  | Earthen Levee                  |              | GPS Latitude/Longitude |            |          |
|   |                                |              | Start                  | End        |          |
| Item  | Emergency Supplies & Equipment |              |                        | °          | °        |
| DWR ID  | DWR_RD2098_01_f_2014_4         |              |                        |            |          |
| Comment Code  |                                |              |                        |            |          |
|   |                                |              |                        |            |          |
| Inspector Comment   |                                |              |                        |            |          |
| RD 2098 Has Emergency Supplies in storage along with Equipment. |                                |              |                        |            |          |

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

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| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|-------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Yolo Bypass | Right | 3.60       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|   |                               |              |                        |            |    |
|---|-------------------------------|--------------|------------------------|------------|----|
| LM Start  |                               | Rating **    | A                      | Issue No.  | 5  |
| LM End  |                               | Issue Type + | Ma                     | Location * | WS |
| Category  | Earthen Levee                 |              | GPS Latitude/Longitude |            |    |
|   |                               |              | Start                  | End        |    |
| Item  | Flood Preparedness & Training |              |                        |            |    |
| DWR ID  | DWR_RD2098_01_f_2014_5        |              |                        |            |    |
| Comment Code  |                               |              |                        |            |    |
| Inspector Comment                                     |                               |              |                        |            |    |
| RD 2098 Has their team well prepared for Flood Fight. |                               |              |                        |            |    |

No Photos

|  |                         |              |                        |               |    |
|--|-------------------------|--------------|------------------------|---------------|----|
| LM Start   | 0.01                    | Rating **    | U                      | Issue No.     | 11 |
| LM End   | 3.59                    | Issue Type + | Ma                     | Location *    | LS |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |    |
|  |                         |              | Start                  | End           |    |
| Item   | Vegetation              |              | 38.328945 °            | 38.277510 °   |    |
|  |                         |              | -121.694093 °          | -121.696247 ° |    |
| DWR ID   | DWR_RD2098_01_s_2017_11 |              |                        |               |    |
| Comment Code   |                         |              |                        |               |    |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |                        |               |    |
| Inspector Comment  |                         |              |                        |               |    |
| Remove the wild growth other than annual grasses from the levee slope.       |                         |              |                        |               |    |

Photo 1 of 1 : SP\_2017\_RD2098\_244\_11\_20170523\_00022.jpg



RD 2098 Unit 1 landside looking upstream from the landside shoulder tall unwanted mustard grass and other vegetation present on the levee 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><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 |
|--|---|---|

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### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|-------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Yolo Bypass | Right | 3.60       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.03                    | Rating **    | U  | Issue No.              | 12            |
| LM End   | 3.58                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.328715 °            | 38.277708 °   |
|  |                         |              |    | -121.694037 °          | -121.696232 ° |
| DWR ID   | DWR_RD2098_01_s_2017_12 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
|  |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_RD2098\_244\_12\_20170523\_00023.jpg



RD 2098 Unit 1 looking upstream from the waterside levee slope levee mile 0.03-3.58, tall unwanted mustard and weeds growth covering the levee slope.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.57                    | Rating **    | M  | Issue No.              | 13            |
| LM End   | 1.02                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Erosion / Bank Caving   |              |    | 38.320755 °            | 38.314253 °   |
|  |                         |              |    | -121.693982 °          | -121.693927 ° |
| DWR ID   | DWR_RD2098_01_s_2017_13 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| E2 : Schedule repair of erosion site prior to the next inspection. |                         |              |    |                        |               |
| 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**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|-------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Yolo Bypass | Right | 3.60       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 1.55                    | Rating **    | M  | Issue No.              | 14            |
| LM End  | 1.56                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Trim / Thin Trees       |              |    | 38.306647 °            | 38.306543 °   |
|   |                         |              |    | -121.693620 °          | -121.693607 ° |
| DWR ID  | DWR_RD2098_01_s_2017_14 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| T1 : Trim trees to at least five feet above ground level. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
|   |                         |              |    |                        |               |

No Photos

|  |                                       |              |    |                        |               |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start   | 1.57                                  | Rating **    | M  | Issue No.              | 15            |
| LM End   | 1.91                                  | Issue Type + | Ma | Location *             | CR            |
| Category   | Earthen Levee                         |              |    | GPS Latitude/Longitude |               |
|  |                                       |              |    | Start                  | End           |
| Item   | Crown Surface / Depressions / Rutting |              |    | 38.306388 °            | 38.301405 °   |
|  |                                       |              |    | -121.693573 °          | -121.693620 ° |
| DWR ID   | DWR_RD2098_01_s_2017_15               |              |    |                        |               |
| Comment Code   |                                       |              |    |                        |               |
| C2 : Repair depressions or ruts in the crown or slope. |                                       |              |    |                        |               |
| Inspector Comment                                      |                                       |              |    |                        |               |
|  |                                       |              |    |                        |               |

No Photos

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 1.79                    | Rating **    | M  | Issue No.              | 16            |
| LM End  | 3.59                    | Issue Type + | Ma | Location *             | CR            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Vegetation              |              |    | 38.303127 °            | 38.277510 °   |
|   |                         |              |    | -121.693615 °          | -121.696247 ° |
| DWR ID  | DWR_RD2098_01_s_2017_16 |              |    |                        |               |
| Comment Code                                    |                         |              |    |                        |               |
| V9 : Keep the crown roadway free of vegetation. |                         |              |    |                        |               |
| Inspector Comment                               |                         |              |    |                        |               |
| Keep the crown roadway free of vegetation.      |                         |              |    |                        |               |

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                  |  |

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### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|-------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Yolo Bypass | Right | 3.60       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|  |                                       |              |    |                        |               |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.05                                  | Rating **    | M  | Issue No.              | 17            |
| LM End   | 2.08                                  | Issue Type + | Ma | Location *             | CR            |
| Category   | Earthen Levee                         |              |    | GPS Latitude/Longitude |               |
|  |                                       |              |    | Start                  | End           |
| Item   | Crown Surface / Depressions / Rutting |              |    | 38.299395 °            | 38.298990 °   |
|  |                                       |              |    | -121.693620 °          | -121.693633 ° |
| DWR ID   | DWR_RD2098_01_s_2017_17               |              |    |                        |               |
| Comment Code   |                                       |              |    |                        |               |
| C2 : Repair depressions or ruts in the crown or slope. |                                       |              |    |                        |               |
| Inspector Comment                                      |                                       |              |    |                        |               |
|  |                                       |              |    |                        |               |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.30                    | Rating **    | M  | Issue No.              | 20            |
| LM End   | 2.32                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Erosion / Bank Caving   |              |    | 38.295870 °            | 38.295430 °   |
|  |                         |              |    | -121.693645 °          | -121.693628 ° |
| DWR ID   | DWR_RD2098_01_s_2017_20 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| E2 : Schedule repair of erosion site prior to the next inspection. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Repair the erosion site listed.                                    |                         |              |    |                        |               |

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                      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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### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|-------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Yolo Bypass | Right | 3.60       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|  |                                       |              |    |                        |               |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.47                                  | Rating **    | M  | Issue No.              | 18            |
| LM End   | 2.98                                  | Issue Type + | Ma | Location *             | CR            |
| Category   | Earthen Levee                         |              |    | GPS Latitude/Longitude |               |
|  |                                       |              |    | Start                  | End           |
| Item   | Crown Surface / Depressions / Rutting |              |    | 38.293332 °            | 38.285943 °   |
|  |                                       |              |    | -121.693632 °          | -121.693660 ° |
| DWR ID   | DWR_RD2098_01_s_2017_18               |              |    |                        |               |
| Comment Code   |                                       |              |    |                        |               |
| C2 : Repair depressions or ruts in the crown or slope. |                                       |              |    |                        |               |
| Inspector Comment                                      |                                       |              |    |                        |               |
|  |                                       |              |    |                        |               |

No Photos

|  |                                       |              |    |                        |               |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.12                                  | Rating **    | M  | Issue No.              | 19            |
| LM End   | 3.31                                  | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee                         |              |    | GPS Latitude/Longitude |               |
|  |                                       |              |    | Start                  | End           |
| Item   | Crown Surface / Depressions / Rutting |              |    | 38.283935 °            | 38.281303 °   |
|  |                                       |              |    | -121.693628 °          | -121.694663 ° |
| DWR ID   | DWR_RD2098_01_s_2017_19               |              |    |                        |               |
| Comment Code   |                                       |              |    |                        |               |
| C2 : Repair depressions or ruts in the crown or slope. |                                       |              |    |                        |               |
| 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 |
|--|--|--|---|---|

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### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                 | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|--------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01A Cross Levee | Right | 0.53       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.00                    | Rating **    | U  | Issue No.              | 1             |
| LM End   | 0.52                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.277382 °            | 38.275722 °   |
|  |                         |              |    | -121.696270 °          | -121.705675 ° |
| DWR ID   | DWR_RD2098_01A_s_2017_1 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Remove the wild grasses other than native from the levee slope.              |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_RD2098\_245\_1\_20170523\_00002.jpg



RD 2098 1A Looking upstream from levee mile 0.00-0.52 landside slope.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.00                    | Rating **    | U  | Issue No.              | 2             |
| LM End   | 0.52                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.277382 °            | 38.275722 °   |
|  |                         |              |    | -121.696270 °          | -121.705675 ° |
| DWR ID   | DWR_RD2098_01A_s_2017_2 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Remove the wild grasses other than native from the levee section.            |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_RD2098\_245\_2\_20170523\_00001.jpg



RD 2098 Unit 1A looking upstream from the waterside slope.

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

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

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



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### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                 | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|--------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01A Cross Levee | Right | 0.53       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|   |                           |              |    |                        |               |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.00                      | Rating **    | U  | Issue No.              | 3             |
| LM End  | 0.52                      | Issue Type + | Ma | Location *             | CR            |
| Category  | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|   |                           |              |    | Start                  | End           |
| Item  | Vegetation                |              |    | 38.277382 °            | 38.275722 °   |
|   |                           |              |    | -121.696270 °          | -121.705675 ° |
| DWR ID  | DWR_RD2098_01A_s _ 2017_3 |              |    |                        |               |
| Comment Code                                    |                           |              |    |                        |               |
| V9 : Keep the crown roadway free of vegetation. |                           |              |    |                        |               |
| Inspector Comment                               |                           |              |    |                        |               |
| Keep the crown roadway free of vegetation.      |                           |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_RD2098\_245\_3\_20170523\_00003.jpg



RD 2098 1A Levee mile 0.52 crown roadway. Unwanted tall weeds present on the crown roadway.

|  |                                       |              |    |                        |               |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.45                                  | Rating **    | M  | Issue No.              | 4             |
| LM End   | 0.52                                  | Issue Type + | Ma | Location *             | CR            |
| Category   | Earthen Levee                         |              |    | GPS Latitude/Longitude |               |
|  |                                       |              |    | Start                  | End           |
| Item   | Crown Surface / Depressions / Rutting |              |    | 38.275948 °            | 38.275722 °   |
|  |                                       |              |    | -121.704298 °          | -121.705675 ° |
| DWR ID   | DWR_RD2098_01A_s _ 2017_4             |              |    |                        |               |
| Comment Code   |                                       |              |    |                        |               |
| C2 : Repair depressions or ruts in the crown or slope. |                                       |              |    |                        |               |
| 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                      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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| Waterway                 | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Cache Slough | Left | 1.89       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 5.30                    | Rating **    | M  | Issue No.              | 21            |
| LM End  | 6.03                    | Issue Type + | Ma | Location *             | CR            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Vegetation              |              |    | 38.275757 °            | 38.283618 °   |
|   |                         |              |    | -121.705818 °          | -121.713342 ° |
| DWR ID  | DWR_RD2098_02_s_2017_21 |              |    |                        |               |
| Comment Code                                    |                         |              |    |                        |               |
| V9 : Keep the crown roadway free of vegetation. |                         |              |    |                        |               |
| Inspector Comment                               |                         |              |    |                        |               |
| Keep the crown roadway free of vegetation.      |                         |              |    |                        |               |

No Photos

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 5.30                   | Rating **    | U  | Issue No.              | 8             |
| LM End   | 7.14                   | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Vegetation             |              |    | 38.275757 °            | 38.292970 °   |
|  |                        |              |    | -121.705818 °          | -121.723430 ° |
| DWR ID   | DWR_RD2098_02_s_2017_8 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Remove the wild weed growth from the landside levee slope and berm.          |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_RD2098\_246\_8\_20170523\_00028.jpg



RD 2098 Unit 2 Levee mile 5.30-7.14 wild growth on the landside 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                      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**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                 | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Cache Slough | Left | 1.89       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 5.92                    | Rating **    | U  | Issue No.              | 24            |
| LM End   | 5.94                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Erosion / Bank Caving   |              |    | 38.283303 °            | 38.283447 °   |
|  |                         |              |    | -121.711585 °          | -121.711762 ° |
| DWR ID   | DWR_RD2098_02_s_2017_24 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| E2 : Schedule repair of erosion site prior to the next inspection. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
|  |                         |              |    |                        |               |

No Photos

|                                |                         |              |    |                        |               |
|--------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start                       | 6.03                    | Rating **    | U  | Issue No.              | 26            |
| LM End                         | 6.03                    | Issue Type + | Ma | Location *             | LS            |
| Category                       | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                                |                         |              |    | Start                  | End           |
| Item                           | Slope Stability         |              |    | 38.283618 °            | 38.283618 °   |
|                                |                         |              |    | -121.713420 °          | -121.713420 ° |
| DWR ID                         | DWR_RD2098_02_s_2017_26 |              |    |                        |               |
| Comment Code                   |                         |              |    |                        |               |
| S1 : Repair slope instability. |                         |              |    |                        |               |
| Inspector Comment              |                         |              |    |                        |               |
| Repair the levee damage.       |                         |              |    |                        |               |

Photo 1 of 3 : SP\_2017\_RD2098\_246\_26\_20170523\_00031.jpg



RD 2098 LEVEE MILE 6.03 MAJOR CROWN/SLOPE DAMAGE.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>6.03</b> | Rating **    | U  | Issue No.  | <b>26 (cont)</b> |
| LM End   | <b>6.03</b> | Issue Type + | Ma | Location * | LS               |

Photo 2 of 3 : SP\_2017\_RD2098\_246\_26\_20170523\_00032.jpg



RD 2098 Levee damage crown roadway and landside slope damage.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <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**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                 | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Cache Slough | Left | 1.89       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|                                |                         |              |    |                        |           |               |
|--------------------------------|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start                       | 6.03                    | Rating **    | U  | Issue No.              | 26 (cont) |               |
| LM End                         | 6.03                    | Issue Type + | Ma | Location *             | LS        |               |
| Category                       | Earthen Levee           |              |    | GPS Latitude/Longitude |           |               |
|                                |                         |              |    | Start                  |           | End           |
| Item                           | Slope Stability         |              |    | 38.283618 °            |           | 38.283618 °   |
|                                |                         |              |    | -121.713420 °          |           | -121.713420 ° |
| DWR ID                         | DWR_RD2098_02_s_2017_26 |              |    |                        |           |               |
| Comment Code                   |                         |              |    |                        |           |               |
| S1 : Repair slope instability. |                         |              |    |                        |           |               |
| Inspector Comment              |                         |              |    |                        |           |               |
| Repair the levee damage.       |                         |              |    |                        |           |               |

Photo 3 of 3 : SP\_2017\_RD2098\_246\_26\_20170523\_00033.jpg



Close up of damage.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start                                      | 6.12                    | Rating **    | M  | Issue No.              | 12            |
| LM End  | 6.12                    | Issue Type + | Ma | Location *             | LS            |
| Category                                      | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Encroachments           |              |    | 38.284348 °            | 38.284348 °   |
|   |                         |              |    | -121.714682 °          | -121.714682 ° |
| DWR ID  | DWR_RD2098_02_f_2016_12 |              |    |                        |               |
| Comment Code                                  |                         |              |    |                        |               |
| TR : Tree or limb                             |                         |              |    |                        |               |
| Inspector Comment                             |                         |              |    |                        |               |
| Remove this nut tree from 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 |
|--|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                 | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Cache Slough | Left | 1.89       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|  |                             |              |    |                        |               |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 6.71                        | Rating **    | M  | Issue No.              | 28            |
| LM End   | 6.71                        | Issue Type + | Ma | Location *             | LS            |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |
|  |                             |              |    | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 38.292194 °            | 38.292194 °   |
|  |                             |              |    | -121.715853 °          | -121.715853 ° |
| DWR ID   |                             |              |    |                        |               |
| Comment Code   |                             |              |    |                        |               |
|  |                             |              |    |                        |               |
| Inspector Comment  |                             |              |    |                        |               |
| FS_ID:33784<br>DS_ID:20976<br>EP_NO: 10172<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Headwalls on WS toe failing at outlet. It is unclear if these were permanent installations or something that was installed as a temporary fix.<br>FIELD_STRUCT_DESC: 1 of 2: 48-inch CM drainpipe through the levee, 29.0 feet below the crown. Two slide gates in 7-foot diameter CMP riser on waterward slope. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.75). This pipe was retained under ABO No. 10172 (1974).<br>FS Date: 3/18/2014 |                             |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_33784\_61162.jpg



Two slide gates in 7-foot diameter CMP riser on waterward slope.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>6.71</b> | Rating **    | M  | Issue No.  | <b>28 (cont)</b> |
| LM End   | <b>6.71</b> | Issue Type + | Ma | Location * | LS               |

Photo 2 of 3 : UCIP\_SP\_2017\_33784\_61161.jpg



Inlet not visible on LS 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**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                 | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Cache Slough | Left | 1.89       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|  |                             |              |    |                        |               |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 6.71                        | Rating **    | M  | Issue No.              | 28 (cont)     |
| LM End   | 6.71                        | Issue Type + | Ma | Location *             | LS            |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |
|  |                             |              |    | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 38.292194 °            | 38.292194 °   |
|  |                             |              |    | -121.715853 °          | -121.715853 ° |
| DWR ID   |                             |              |    |                        |               |
| Comment Code   |                             |              |    |                        |               |
|  |                             |              |    |                        |               |
| Inspector Comment  |                             |              |    |                        |               |
| FS_ID:33784<br>DS_ID:20976<br>EP_NO: 10172<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Headwalls on WS toe failing at outlet. It is unclear if these were permanent installations or something that was installed as a temporary fix.<br>FIELD_STRUCT_DESC: 1 of 2: 48-inch CM drainpipe through the levee, 29.0 feet below the crown. Two slide gates in 7-foot diameter CMP riser on waterward slope. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.75). This pipe was retained under ABO No. 10172 (1974).<br>FS Date: 3/18/2014 |                             |              |    |                        |               |

Photo 3 of 3 : UCIP\_SP\_2017\_33784\_61160.jpg



View inside CMP riser on WS shoulder.

|  |                             |              |    |                        |               |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 6.72                        | Rating **    | M  | Issue No.              | 29            |
| LM End   | 6.72                        | Issue Type + | Ma | Location *             | LS            |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |
|  |                             |              |    | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 38.292234 °            | 38.292234 °   |
|  |                             |              |    | -121.715875 °          | -121.715875 ° |
| DWR ID   |                             |              |    |                        |               |
| Comment Code   |                             |              |    |                        |               |
|  |                             |              |    |                        |               |
| Inspector Comment  |                             |              |    |                        |               |
| FS_ID:32285<br>DS_ID:20961<br>EP_NO: 10172<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Headwalls at WS toe failing. It is uncertain if these retaining walls were a permanent fixture or a temporary fix that failed.<br>FIELD_STRUCT_DESC: 2 of 2: 48-inch CM drainpipe through the levee, 29.0 feet below the crown. Two slidegates in a 7-foot diameter CMP riser on WS shoulder (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.75). This pipe was retained under ABO No. 10172 (1974).<br>FS Date: 3/18/2014 |                             |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_32285\_58749.jpg



Inlet not visible on LS 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**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                 | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Cache Slough | Left | 1.89       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|  |                             |              |    |                        |           |               |
|--|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start   | 6.72                        | Rating **    | M  | Issue No.              | 29 (cont) |               |
| LM End   | 6.72                        | Issue Type + | Ma | Location *             | LS        |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |           |               |
|  |                             |              |    | Start                  |           | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 38.292234 °            |           | 38.292234 °   |
|  |                             |              |    | -121.715875 °          |           | -121.715875 ° |
| DWR ID   |                             |              |    |                        |           |               |
| Comment Code   |                             |              |    |                        |           |               |
|  |                             |              |    |                        |           |               |
| Inspector Comment  |                             |              |    |                        |           |               |
| FS_ID:32285<br>DS_ID:20961<br>EP_NO: 10172<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Headwalls at WS toe failing. It is uncertain if these retaining walls were a permanent fixture or a temporary fix that failed.<br>FIELD_STRUCT_DESC: 2 of 2: 48-inch CM drainpipe through the levee, 29.0 feet below the crown. Two slidegates in a 7-foot diameter CMP riser on WS shoulder (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.75). This pipe was retained under ABO No. 10172 (1974).<br>FS Date: 3/18/2014 |                             |              |    |                        |           |               |

Photo 2 of 3 : UCIP\_SP\_2017\_32285\_58748.jpg



7-foot diameter CMP riser with two slide gates inside.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>6.72</b> | Rating **    | M  | Issue No.  | <b>29 (cont)</b> |
| LM End   | <b>6.72</b> | Issue Type + | Ma | Location * | LS               |

Photo 3 of 3 : UCIP\_SP\_2017\_32285\_58747.jpg



7-foot diameter CMP riser with two slide gates inside.

|  |  |   |  |   |
|--|--|---|--|---|
| <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**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                 | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Cache Slough | Left | 1.89       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 6.73                    | Rating **    | M  | Issue No.              | 23            |
| LM End  | 7.14                    | Issue Type + | Ma | Location *             | CR            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Vegetation              |              |    | 38.292397 °            | 38.292983 °   |
|   |                         |              |    | -121.716057 °          | -121.723331 ° |
| DWR ID  | DWR_RD2098_02_s_2017_23 |              |    |                        |               |
| Comment Code                                    |                         |              |    |                        |               |
| V9 : Keep the crown roadway free of vegetation. |                         |              |    |                        |               |
| Inspector Comment                               |                         |              |    |                        |               |
| Keep crown roadway free of vegetation.          |                         |              |    |                        |               |

No Photos

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start                                | 6.74                    | Rating **    | M  | Issue No.              | 16            |
| LM End                                  | 6.74                    | Issue Type + | Ma | Location *             | CR            |
| Category                                | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item                                    | Repair Gates            |              |    | 38.292467 °            | 38.292467 °   |
|   |                         |              |    | -121.716138 °          | -121.716138 ° |
| DWR ID                                  | DWR_RD2098_02_f_2016_16 |              |    |                        |               |
| Comment Code                            |                         |              |    |                        |               |
|   |                         |              |    |                        |               |
| Inspector Comment                       |                         |              |    |                        |               |
| Repair this gate that has been damaged. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_RD2098\_246\_16\_20170404\_00010.jpg



Levee mile 6.74 crown roadway gate crossing.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 6.75                    | Rating **    | M  | Issue No.              | 17            |
| LM End   | 6.80                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.292572 °            | 38.292922 °   |
|  |                         |              |    | -121.716240 °          | -121.717028 ° |
| DWR ID   | DWR_RD2098_02_f_2016_17 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements.   |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Control the annual grasses from the landside slope levee mile 6.75-6.80. |                         |              |    |                        |               |

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**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                 | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Cache Slough | Left | 1.89       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 6.75                   | Rating **    | M  | Issue No.              | 4             |
| LM End   | 6.80                   | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Vegetation             |              |    | 38.292572 °            | 38.292947 °   |
|  |                        |              |    | -121.716240 °          | -121.717110 ° |
| DWR ID   | DWR_RD2098_02_f_2016_4 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Control the annual weeds from the waterside slope.                     |                        |              |    |                        |               |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 7.03                    | Rating **    | M  | Issue No.              | 18            |
| LM End   | 7.07                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.292983 °            | 38.292992 °   |
|  |                         |              |    | -121.721312 °          | -121.722023 ° |
| DWR ID   | DWR_RD2098_02_f_2016_18 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Control the vegetation on the landside levee mile 7.03-7.07.           |                         |              |    |                        |               |

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                      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**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                 | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Cache Slough | Left | 1.89       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 7.12                    | Rating **    | U  | Issue No.              | 11            |
| LM End   | 7.12                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Erosion / Bank Caving   |              |    | 38.292966 °            | 38.292966 °   |
|  |                         |              |    | -121.722996 °          | -121.722996 ° |
| DWR ID   | DWR_RD2098_02_s_2017_11 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| E2 : Schedule repair of erosion site prior to the next inspection.     |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Major damage to levee section, no vehicle passage, repairs are needed. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_RD2098\_246\_11\_20170523\_00030.jpg



RD 2098 Levee mile 7.12 major levee damage crown roadway and landside slope.

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 7.14                   | Rating **    | U  | Issue No.              | 5             |
| LM End   | 7.14                   | Issue Type + | Ma | Location *             | CR            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Repair Gates           |              |    | 38.292962 °            | 38.292962 °   |
|  |                        |              |    | -121.723312 °          | -121.723312 ° |
| DWR ID   | DWR_RD2098_02_f_2013_5 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
|  |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Gate damage, make repairs to this gate. This gate could cause injury to someone. |                        |              |    |                        |               |
|  |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_RD2098\_246\_5\_20170523\_00034.jpg



RD 2098 Levee mile 7.14.

\* 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**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                 | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Cache Slough | Left | 1.89       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 7.14                     | Rating **    | M  | Issue No.              | 3             |
| LM End   | 7.18                     | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Vegetation               |              |    | 38.292970 °            | 38.293078 °   |
|  |                          |              |    | -121.723432 °          | -121.724045 ° |
| DWR ID   | DWR_RD2098_02_s _ 2017_3 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
| Control annual grasses and weeds on the waterside slope.               |                          |              |    |                        |               |

No Photos

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 7.14                      | Rating **    | M  | Issue No.              | 25            |
| LM End   | 7.18                      | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | Vegetation                |              |    | 38.292970 °            | 38.293078 °   |
|  |                           |              |    | -121.723432 °          | -121.724045 ° |
| DWR ID   | DWR_RD2098_02_s _ 2017_25 |              |    |                        |               |
| Comment Code   |                           |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                           |              |    |                        |               |
| Inspector Comment  |                           |              |    |                        |               |
| Control the annual grasses and weeds from 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<br><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 |
|--|---|---|

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

| Waterway                 | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Cache Slough | Left | 1.89       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|          |                             |              |     |                        |               |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | <b>7.24</b>                 | Rating **    | A/W | Issue No.              | <b>31</b>     |
| LM End   | <b>7.24</b>                 | Issue Type + | Ma  | Location *             | LS            |
| Category | Supplemental                |              |     | GPS Latitude/Longitude |               |
|          |                             |              |     | Start                  | End           |
| Item     | DWR UCIP LMA Responsibility |              |     | 38.293741 °            | 38.293741 °   |
|          |                             |              |     | -121.724787 °          | -121.724787 ° |
| DWR ID   |                             |              |     |                        |               |

Comment Code

|  |  |
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| Inspector Comment |  |
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| 100               |  |

FS\_ID:32303  
DS\_ID:20978  
EP\_NO: 10171  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments:  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 24-inch steel pipe through the levee, 4.5 feet below the crown. CM cutoff wall around pipe. Pipe has welded steel plate over end on LS slope and is not visible on WS slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.28). This pipe was retained under ABO No. 10171 (1974).  
FS Date: 3/18/2014 7:07:14 AM

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>7.24</b> | Rating **    | A/W | Issue No.  | <b>31 (cont)</b> |
| LM End   | <b>7.24</b> | Issue Type + | Ma  | Location * | LS               |

A large red pipe discharges water into a pond. A small structure is mounted on the pipe near the discharge point. The background shows a green field and a clear sky. A timestamp "03/16/2014 12:47" is visible in the bottom right corner.

Pipe visible under new pipe on LS slope.

Pipe visible under new pipe on LS slope.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 2098 Cache and Haas Slough**

| Waterway                 | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Cache Slough | Left | 1.89       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 7.24                        | Rating **    | A/W | Issue No.              | 31 (cont)     |
| LM End  | 7.24                        | Issue Type + | Ma  | Location *             | LS            |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 38.293741 °            | 38.293741 °   |
|   |                             |              |     | -121.724787 °          | -121.724787 ° |
| DWR ID  |                             |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:32303<br>DS_ID:20978<br>EP_NO: 10171<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: *ABANDONED* 24-inch steel pipe through the levee, 4.5 feet below the crown. CM cutoff wall around pipe. Pipe has welded steel plate over end on LS slope and is not visible on WS slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.28). This pipe was retained under ABO No. 10171 (1974).<br>FS Date: 3/18/2014 7:07:14 AM |                             |              |     |                        |               |

Photo 3 of 3 : UCIP\_SP\_2017\_32303\_58780.jpg



Welded steel cap over LS end of pipe.

|  |   |   |
|--|---|---|
| <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><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**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|-------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Haas Slough | Right | 1.94       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 7.19                   | Rating **    | U  | Issue No.              | 2             |
| LM End   | 7.31                   | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Vegetation             |              |    | 38.293178 °            | 38.294705 °   |
|  |                        |              |    | -121.724220 °          | -121.725130 ° |
| DWR ID   | DWR_RD2098_03_f_2016_2 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Remove the tall vegetation from the landside slope.                          |                        |              |    |                        |               |

Photo 1 of 2 : SP\_2017\_RD2098\_247\_2\_20170523\_00011.jpg



RD 2098 Looking downstream from levee mile 7.19-7.31

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>7.19</b> | Rating **    | U  | Issue No.  | <b>2 (cont)</b> |
| LM End   | <b>7.31</b> | Issue Type + | Ma | Location * | LS              |

Photo 2 of 2 : SP\_2017\_RD2098\_247\_2\_20170404\_00004.jpg



RD 2098 Looking downstream from levee mile 7.19 landside slope.

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 7.19                   | Rating **    | U  | Issue No.              | 8             |
| LM End   | 7.31                   | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Vegetation             |              |    | 38.293178 °            | 38.294705 °   |
|  |                        |              |    | -121.724215 °          | -121.725133 ° |
| DWR ID   | DWR_RD2098_03_f_2016_8 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Remove the tall vegetation from the water side slope.                        |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_RD2098\_247\_8\_20170523\_00012.jpg



RD 2098 Unit 3 levee mile 7.19-7.31 waterside slope.

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

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

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



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|-------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Haas Slough | Right | 1.94       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|   |                                  |              |    |                        |               |
|---|----------------------------------|--------------|----|------------------------|---------------|
| LM Start  | 7.33                             | Rating **    | M  | Issue No.              | 3             |
| LM End  | 7.72                             | Issue Type + | Ma | Location *             | WS            |
| Category  | Supplemental                     |              |    | GPS Latitude/Longitude |               |
|   |                                  |              |    | Start                  | End           |
| Item  | 2015 USACE Erosion Survey, DRAFT |              |    | 38.294858 °            | 38.299606 °   |
|   |                                  |              |    | -121.725433 °          | -121.728621 ° |
| DWR ID  | DWR_RD2098_03_f_2016_3           |              |    |                        |               |
| Comment Code  |                                  |              |    |                        |               |
|   |                                  |              |    |                        |               |
| Inspector Comment   |                                  |              |    |                        |               |
| 2011 - Large vertical erosion pockets and bank slumping. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: HAS_7-9_L] |                                  |              |    |                        |               |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 7.37                    | Rating **    | M  | Issue No.              | 11            |
| LM End   | 8.22                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.295418 °            | 38.305932 °   |
|  |                         |              |    | -121.725657 °          | -121.730000 ° |
| DWR ID   | DWR_RD2098_03_f_2016_11 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Remove the dead vegetation growth from 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**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|-------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Haas Slough | Right | 1.94       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|   |                        |              |    |                        |               |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start  | 7.37                   | Rating **    | M  | Issue No.              | 6             |
| LM End  | 7.51                   | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|   |                        |              |    | Start                  | End           |
| Item  | Slope Stability        |              |    | 38.295460 °            | 38.296799 °   |
|   |                        |              |    | -121.725750 °          | -121.727510 ° |
| DWR ID  | DWR_RD2098_03_s_2013_6 |              |    |                        |               |
| Comment Code  |                        |              |    |                        |               |
| S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.  |                        |              |    |                        |               |
| Inspector Comment   |                        |              |    |                        |               |
| This erosion is caused by the resident goats in the area. They are corralled in this location with full access to the levee . |                        |              |    |                        |               |

No Photos

|  |                                       |              |    |                        |               |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start   | 7.42                                  | Rating **    | M  | Issue No.              | 12            |
| LM End   | 7.64                                  | Issue Type + | Ma | Location *             | CR            |
| Category   | Earthen Levee                         |              |    | GPS Latitude/Longitude |               |
|  |                                       |              |    | Start                  | End           |
| Item   | Crown Surface / Depressions / Rutting |              |    | 38.295935 °            | 38.298372 °   |
|  |                                       |              |    | -121.726343 °          | -121.728678 ° |
| DWR ID   | DWR_RD2098_03_s_2017_12               |              |    |                        |               |
| Comment Code   |                                       |              |    |                        |               |
| C2 : Repair depressions or ruts in the crown or slope. |                                       |              |    |                        |               |
| Inspector Comment                                      |                                       |              |    |                        |               |
|  |                                       |              |    |                        |               |

No Photos

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 7.51                   | Rating **    | U  | Issue No.              | 1             |
| LM End   | 7.51                   | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Slope Stability        |              |    | 38.296846 °            | 38.296846 °   |
|  |                        |              |    | -121.727546 °          | -121.727546 ° |
| DWR ID   | DWR_RD2098_03_f_2016_1 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| S2 : Repair the levee slope damaged by foot traffic and prevent access where possible. |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Make the repairs to the erosion site listed.   |                        |              |    |                        |               |

Photo 1 of 2 : SP\_2017\_RD2098\_247\_1\_20170404\_00002.jpg



Close up. Looking downstream.

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

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|-------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Haas Slough | Right | 1.94       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|  |                        |              |    |                        |               |  |
|--|------------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 7.51                   | Rating **    | U  | Issue No.              | 1 (cont)      |  |
| LM End   | 7.51                   | Issue Type + | Ma | Location *             | LS            |  |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |  |
|  |                        |              |    | Start                  | End           |  |
| Item   | Slope Stability        |              |    | 38.296846 °            | 38.296846 °   |  |
|  |                        |              |    | -121.727546 °          | -121.727546 ° |  |
| DWR ID   | DWR_RD2098_03_f_2016_1 |              |    |                        |               |  |
| Comment Code   |                        |              |    |                        |               |  |
| S2 : Repair the levee slope damaged by foot traffic and prevent access where possible. |                        |              |    |                        |               |  |
| Inspector Comment  |                        |              |    |                        |               |  |
| Make the repairs to the erosion site listed.   |                        |              |    |                        |               |  |

Photo 2 of 2 : SP\_2017\_RD2098\_247\_1\_20170404\_00003.jpg



Looking upstream.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 7.74                    | Rating **    | M  | Issue No.              | 10            |
| LM End   | 8.23                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.299780 °            | 38.305952 °   |
|  |                         |              |    | -121.728398 °          | -121.730053 ° |
| DWR ID   | DWR_RD2098_03_f_2016_10 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Control the vegetation on the landside slope.                          |                         |              |    |                        |               |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 7.77                    | Rating **    | U  | Issue No.              | 13            |
| LM End   | 8.66                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.300250 °            | 38.310588 °   |
|  |                         |              |    | -121.728330 °          | -121.734603 ° |
| DWR ID   | DWR_RD2098_03_s_2017_13 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Control annual grasses and weeds from the slope and berm.              |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_RD2098\_247\_13\_20170523\_00013.jpg



RD 2098 Unit 3 levee mile 7.77-8.66 landside slope.

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

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|-------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Haas Slough | Right | 1.94       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start                                       | 7.87                   | Rating **    | M  | Issue No.              | 9             |
| LM End   | 7.87                   | Issue Type + | Ma | Location *             | WS            |
| Category                                       | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Encroachments          |              |    | 38.301707 °            | 38.301707 °   |
|  |                        |              |    | -121.728045 °          | -121.728045 ° |
| DWR ID   | DWR_RD2098_03_s_2014_9 |              |    |                        |               |
| Comment Code                                   |                        |              |    |                        |               |
| TR : Tree or limb                              |                        |              |    |                        |               |
| Inspector Comment                              |                        |              |    |                        |               |
| Remove the dead tree from the waterside slope. |                        |              |    |                        |               |

No Photos

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 8.16                        | Rating **    | A/W | Issue No.              | 18            |
| LM End   | 8.16                        | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 38.305462 °            | 38.305462 °   |
|  |                             |              |     | -121.728881 °          | -121.728881 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:51453<br>DS_ID:20981<br>EP_NO: 10174<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments: 12/22/2016 Crossing has been downgraded from Urgent to No Action Needed walkways on both WS and LS have been rebuilt and the WS gate has been upgraded to stainless steel where previous corrodable material was present. (O. Magana - DWR UCIP)03/19/2014 Current walkway to slidegate on WS toe does not provide safe access to operate slidegate. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch steel dual purpose irrigation and drainage pipe through the levee, 26 feet below the crown. Two CM cutoff walls around pipe. Walkway to slide gate is located on the waterside (WS) end. Combination slide and flap gate located on the landside (LS) end. 48-inch corrugated metal pipe (CMP) riser and an adjoining pump on a metal pier at LS toe. (36-inch pipe authorized [HLM 8.20] under Automatic Board Order (ABO) issued as Permit No. 10174, 1974 - Bowsbey) [Additional Reference(s): DWR Levee Log, 2003. USACE Sacramento O&M Manual Unit 109, April 1962, (HLM 8.20)].<br>FS Date: 12/22/2016 |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_51453\_76858.jpg



Walkway has been re-built, photo 1 of 2.

|  |  |   |   |
|--|--|---|---|
| <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**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|-------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Haas Slough | Right | 1.94       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|          |                             |              |     |                        |               |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 8.16                        | Rating **    | A/W | Issue No.              | 18 (cont)     |
| LM End   | 8.16                        | Issue Type + | Ma  | Location *             | WS            |
| Category | Supplemental                |              |     | GPS Latitude/Longitude |               |
|          |                             |              |     | Start                  | End           |
| Item     | DWR UCIP LMA Responsibility |              |     | 38.305462 °            | 38.305462 °   |
|          |                             |              |     | -121.728881 °          | -121.728881 ° |
| DWR ID   |                             |              |     |                        |               |

**Comment Code**

**Inspector Comment**

FS\_ID:51453  
DS\_ID:20981  
EP\_NO: 10174  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 12/22/2016 Crossing has been downgraded from Urgent to No Action Needed walkways on both WS and LS have been rebuilt and the WS gate has been upgraded to stainless steel where previous corrodable material was present. (O. Magana - DWR UCIP)03/19/2014 Current walkway to slidegate on WS toe does not provide safe access to operate slidegate. (W. Wylie - DWR UCIP) FIELD\_STRUCT\_DESC: 36-inch steel dual purpose irrigation and drainage pipe through the levee, 26 feet below the crown. Two CM cutoff walls around pipe. Walkway to slide gate is located on the waterside (WS) end. Combination slide and flap gate located on the landside (LS) end. 48-inch corrugated metal pipe (CMP) riser and an adjoining pump on a metal pier at LS toe. (36-inch pipe authorized [HLM 8.20] under Automatic Board Order (ABO) issued as Permit No. 10174, 1974 - Bowsbey) [Additional Reference(s): DWR Levee Log, 2003. USACE Sacramento O&M Manual Unit 109, April 1962, (HLM 8.20)].  
FS Date: 12/22/2016

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>8.16</b> | Rating **    | A/W | Issue No.  | <b>18 (cont)</b> |
| LM End   | <b>8.16</b> | Issue Type + | Ma  | Location * | WS               |

Photo 2 of 3 : UCIP\_SP\_2017\_51453\_76861.jpg



Walkway has been re-built, photo 2 of 2.

Photo 3 of 3 : UCIP\_SP\_2017\_51453\_76859.jpg



View of levee crown at pipe crossing.

|  |  |   |  |   |
|--|--|---|--|---|
| <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**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|-------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Haas Slough | Right | 1.94       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 8.35                        | Rating **    | A/W | Issue No.              | 19            |
| LM End   | 8.35                        | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 38.306916 °            | 38.306916 °   |
|  |                             |              |     | -121.731984 °          | -121.731984 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:32384  |                             |              |     |                        |               |
| DS_ID:20962  |                             |              |     |                        |               |
| EP_NO: 10174   |                             |              |     |                        |               |
| Repair Type: No Action Needed  |                             |              |     |                        |               |
| Crossing Status: Found   |                             |              |     |                        |               |
| UCIP Comments:   |                             |              |     |                        |               |
| FIELD_STRUCT_DESC: 60-inch CM drainpipe through the levee, 25.5 feet below the crown. Walkway to slide gates at both ends of pipe (Permit No. 1607, 1951). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 8.40 ,USACE-1962). This pipe was retained under ABO No. 10174 (1974). |                             |              |     |                        |               |
| FS Date: 3/19/2014   |                             |              |     |                        |               |

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>8.35</b> | Rating **    | A/W | Issue No.  | <b>19 (cont)</b> |
| LM End   | <b>8.35</b> | Issue Type + | Ma  | Location * | WS               |

Photo 1 of 2 : UCIP\_SP\_2017\_32384\_58883.jpg



Slide gate at LS toe.

Photo 2 of 2 : UCIP\_SP\_2017\_32384\_58882.jpg



Walkway with slide gate on WS 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<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**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|-------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Haas Slough | Right | 1.94       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>8.36</b>             | Rating **    | M                      | Issue No.     | <b>14</b> |
| LM End  | <b>9.11</b>             | Issue Type + | Ma                     | Location *    | CR        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.306997 °            | 38.315668 °   |           |
|   |                         |              | -121.732010 °          | -121.739773 ° |           |
| DWR ID  | DWR_RD2098_03_s_2017_14 |              |                        |               |           |
| Comment Code                                    |                         |              |                        |               |           |
| V9 : Keep the crown roadway free of vegetation. |                         |              |                        |               |           |
| Inspector Comment                               |                         |              |                        |               |           |
|   |                         |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>8.56</b>             | Rating **    | M                      | Issue No.     | <b>15</b> |
| LM End   | <b>9.11</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Vegetation              |              | 38.309183 °            | 38.315668 °   |           |
|  |                         |              | -121.734327 °          | -121.739773 ° |           |
| DWR ID   | DWR_RD2098_03_s_2017_15 |              |                        |               |           |
| Comment Code   |                         |              |                        |               |           |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                         |              |                        |               |           |
| Inspector Comment  |                         |              |                        |               |           |
|  |                         |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>8.66</b>             | Rating **    | M                      | Issue No.     | <b>16</b> |
| LM End   | <b>9.11</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Vegetation              |              | 38.310702 °            | 38.315668 °   |           |
|  |                         |              | -121.734617 °          | -121.739773 ° |           |
| DWR ID   | DWR_RD2098_03_s_2017_16 |              |                        |               |           |
| Comment Code   |                         |              |                        |               |           |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                         |              |                        |               |           |
| 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**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway                | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 03 Haas Slough | Right | 1.94       | 04/25/2017<br>04/25/2017 | Herman<br>Phillips |

|  |   |   |
|--|---|---|
| <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**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Back Levee | Left | 2.95       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 9.17                    | Rating **    | A  | Issue No.              | 11            |
| LM End   | 9.79                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.316448 °            | 38.325352 °   |
|  |                         |              |    | -121.740083 °          | -121.740162 ° |
| DWR ID   | DWR_RD2098_04_s_2017_11 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
|  |                         |              |    |                        |               |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 9.17                    | Rating **    | M  | Issue No.              | 10            |
| LM End   | 12.06                   | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.316448 °            | 38.357957 °   |
|  |                         |              |    | -121.740083 °          | -121.740360 ° |
| DWR ID   | DWR_RD2098_04_s_2017_10 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Control the annual grasses and weeds on the landside levee slope.      |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_RD2098\_248\_10\_20170523\_00019.jpg



RD 2098 Landside levee mile 9.17-12.06.

|  |  |   |  |   |
|--|--|---|--|---|
| <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**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Back Levee | Left | 2.95       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>9.18</b>             | Rating **    | M                      | Issue No.     | <b>12</b> |
| LM End  | <b>9.78</b>             | Issue Type + | Ma                     | Location *    | CR        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.316488 °            | 38.325268 °   |           |
|   |                         |              | -121.740077 °          | -121.740117 ° |           |
| DWR ID  | DWR_RD2098_04_s_2017_12 |              |                        |               |           |
| Comment Code                                    |                         |              |                        |               |           |
| V9 : Keep the crown roadway free of vegetation. |                         |              |                        |               |           |
| Inspector Comment                               |                         |              |                        |               |           |
|   |                         |              |                        |               |           |

No Photos

|  |                                       |              |                        |               |           |
|--|---------------------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>9.34</b>                           | Rating **    | M                      | Issue No.     | <b>13</b> |
| LM End   | <b>9.60</b>                           | Issue Type + | Ma                     | Location *    | CR        |
| Category   | Earthen Levee                         |              | GPS Latitude/Longitude |               |           |
|  |                                       |              | Start                  | End           |           |
| Item   | Crown Surface / Depressions / Rutting |              | 38.318820 °            | 38.322600 °   |           |
|  |                                       |              | -121.740065 °          | -121.740132 ° |           |
| DWR ID   | DWR_RD2098_04_s_2017_13               |              |                        |               |           |
| Comment Code   |                                       |              |                        |               |           |
| C2 : Repair depressions or ruts in the crown or slope. |                                       |              |                        |               |           |
| Inspector Comment                                      |                                       |              |                        |               |           |
|  |                                       |              |                        |               |           |

No Photos

|  |                                  |              |                        |               |          |
|--|----------------------------------|--------------|------------------------|---------------|----------|
| LM Start   | <b>9.44</b>                      | Rating **    | C                      | Issue No.     | <b>1</b> |
| LM End   | <b>9.74</b>                      | Issue Type + | Ma                     | Location *    | WS       |
| Category   | Supplemental                     |              | GPS Latitude/Longitude |               |          |
|  |                                  |              | Start                  | End           |          |
| Item   | 2015 USACE Erosion Survey, DRAFT |              | 38.320240 °            | 38.324587 °   |          |
|  |                                  |              | -121.740183 °          | -121.740254 ° |          |
| DWR ID   | DWR_RD2098_04_f_2016_1           |              |                        |               |          |
| Comment Code   |                                  |              |                        |               |          |
|  |                                  |              |                        |               |          |
| Inspector Comment  |                                  |              |                        |               |          |
| 2011 - Several scallops of erosion. Erosion primarily due to the weight of cattle on the slope. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: HAS_9-7_L] |                                  |              |                        |               |          |

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**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|------|------------|--------------------------|--------------------|
| Unit No. 04 Back Levee | Left | 2.95       | 04/25/2017<br>04/25/2017 | Herman<br>Phillips |

|                                     |                          |              |    |                        |               |
|-------------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start                            | 9.68                     | Rating **    | M  | Issue No.              | 8             |
| LM End                              | 9.73                     | Issue Type + | Ma | Location *             | WS            |
| Category                            | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                                     |                          |              |    | Start                  | End           |
| Item                                | Erosion / Bank Caving    |              |    | 38.323749 °            | 38.324467 °   |
|                                     |                          |              |    | -121.740148 °          | -121.740155 ° |
| DWR ID                              | DWR_RD2098_04_s _ 2014_8 |              |    |                        |               |
| Comment Code                        |                          |              |    |                        |               |
| E1 : Note and monitor erosion site. |                          |              |    |                        |               |
| Inspector Comment                   |                          |              |    |                        |               |
|                                     |                          |              |    |                        |               |

No Photos

|  |                                       |              |    |                        |               |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start   | 9.73                                  | Rating **    | M  | Issue No.              | 14            |
| LM End   | 9.77                                  | Issue Type + | Ma | Location *             | CR            |
| Category   | Earthen Levee                         |              |    | GPS Latitude/Longitude |               |
|  |                                       |              |    | Start                  | End           |
| Item   | Crown Surface / Depressions / Rutting |              |    | 38.324430 °            | 38.325085 °   |
|  |                                       |              |    | -121.740137 °          | -121.740128 ° |
| DWR ID   | DWR_RD2098_04_s _ 2017_14             |              |    |                        |               |
| Comment Code   |                                       |              |    |                        |               |
| C2 : Repair depressions or ruts in the crown or slope. |                                       |              |    |                        |               |
| 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                      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**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 2098 Cache and Haas Slough

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Back Levee | Left | 2.95       | 04/25/2017<br>04/25/2017 | Herman Phillips |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>9.88</b>             | Rating **    | M                      | Issue No.     | <b>16</b> |
| LM End   | <b>12.06</b>            | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Vegetation              |              | 38.326417 °            | 38.357957 °   |           |
|  |                         |              | -121.740670 °          | -121.740362 ° |           |
| DWR ID   | DWR_RD2098_04_s_2017_16 |              |                        |               |           |
| Comment Code   |                         |              |                        |               |           |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                         |              |                        |               |           |
| Inspector Comment  |                         |              |                        |               |           |
|  |                         |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>10.02</b>            | Rating **    | M                      | Issue No.     | <b>17</b> |
| LM End   | <b>10.02</b>            | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Slope Stability         |              | 38.328368 °            | 38.328438 °   |           |
|  |                         |              | -121.740617 °          | -121.740612 ° |           |
| DWR ID   | DWR_RD2098_04_s_2017_17 |              |                        |               |           |
| Comment Code   |                         |              |                        |               |           |
| S2 : Repair the levee slope damaged by foot 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 | 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 |
|--|--|---|---|