

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2014 Levee Inspection Results**

**Reclamation District No. 0999 Netherlands**

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

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\* **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

**FALL INSPECTIONS:** The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2014 Levee Inspection Results**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles |
|-------------------------|------|------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      |

|  | Spring<br>(March - May) | Summer<br>(June - August) | (September - November)<br>Fall | Winter<br>(December - February) |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit Maintenance Rating<br>(Fall Only) |                         |                           |                                |                                 |
| Date of Inspection                     | 03/11/2014 - 03/11/2014 |                           |                                |                                 |
| DWR Inspector                          | Richard Willoughby      |                           |                                |                                 |
| Accompanied By                         | Bob Webber<br>RD 999    |                           |                                |                                 |

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

|                         |  |  |      |            |                          |                    |
|-------------------------|--|--|------|------------|--------------------------|--------------------|
| Waterway                |  |  | Bank | Unit Miles | Inspection Start/End     | Inspector          |
| Unit No. 01 Yolo Bypass |  |  | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|                 |                                  |              |                        |            |           |
|-----------------|----------------------------------|--------------|------------------------|------------|-----------|
| LM Start        | <b>0.00</b>                      | Rating **    | A                      | Issue No.  | <b>53</b> |
| LM End          | <b>0.00</b>                      | Issue Type + | Ma                     | Location * | LS        |
| Category        | Earthen Levee                    |              | GPS Latitude/Longitude |            |           |
|                 |                                  |              | Start                  |            | End       |
| Item            | Operations & Maintenance Manuals |              |                        | °          | °         |
|                 |                                  |              |                        | °          | °         |
| DWR ID          | DWR_RD0999_01_s_2013_53          |              |                        |            |           |
| Action/Comments |                                  |              |                        |            |           |
|                 |                                  |              |                        |            |           |

No Photos

|                 |                                |              |                        |            |           |
|-----------------|--------------------------------|--------------|------------------------|------------|-----------|
| LM Start        | <b>0.00</b>                    | Rating **    | A                      | Issue No.  | <b>54</b> |
| LM End          | <b>0.00</b>                    | Issue Type + | Ma                     | Location * | LS        |
| Category        | Earthen Levee                  |              | GPS Latitude/Longitude |            |           |
|                 |                                |              | Start                  |            | End       |
| Item            | Emergency Supplies & Equipment |              |                        | °          | °         |
|                 |                                |              |                        | °          | °         |
| DWR ID          | DWR_RD0999_01_s_2013_54        |              |                        |            |           |
| Action/Comments |                                |              |                        |            |           |
|                 |                                |              |                        |            |           |

No Photos

|                 |                               |              |                        |            |           |
|-----------------|-------------------------------|--------------|------------------------|------------|-----------|
| LM Start        | <b>0.00</b>                   | Rating **    | A                      | Issue No.  | <b>55</b> |
| LM End          | <b>0.00</b>                   | Issue Type + | Ma                     | Location * | LS        |
| Category        | Earthen Levee                 |              | GPS Latitude/Longitude |            |           |
|                 |                               |              | Start                  |            | End       |
| Item            | Flood Preparedness & Training |              |                        | °          | °         |
|                 |                               |              |                        | °          | °         |
| DWR ID          | DWR_RD0999_01_s_2013_55       |              |                        |            |           |
| Action/Comments |                               |              |                        |            |           |
|                 |                               |              |                        |            |           |

No Photos

|   |  |  |
|---|--|--|
| <p><b>* Location</b><br/>                 LS : Land Side<br/>                 WS : Water Side<br/>                 CR : Crown</p> | <p><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 &amp; Maintain</p> | <p><b>+ Issue Type</b><br/>                 Ma : Maintenance Deficiency<br/>                 Ob : Design &amp; System Obsolescence<br/>                 En : Enforcement</p> |
|---|--|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>0.10</b>             | Rating **    | M                      | Issue No.     | <b>62</b> |
| LM End  | <b>15.43</b>            | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.503856 °            | 38.290421 °   |           |
|   |                         |              | -121.582152 °          | -121.644872 ° |           |
| DWR ID  | DWR_RD0999_01_s_2014_62 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Control annual grass and weeds on the levee slopes and easements. |                         |              |                        |               |           |

No Photos

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>0.10</b>             | Rating **    | M                      | Issue No.     | <b>63</b> |
| LM End  | <b>15.43</b>            | Issue Type + | Ma                     | Location *    | WS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.503855 °            | 38.290423 °   |           |
|   |                         |              | -121.582151 °          | -121.644872 ° |           |
| DWR ID  | DWR_RD0999_01_s_2014_63 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Control annual grass and weeds on the levee slopes and easements. |                         |              |                        |               |           |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>0.12</b>            | Rating **    | M  | Issue No.              | <b>9</b>      |
| LM End   | <b>0.12</b>            | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental           |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study   |              |    | 38.503639 °            | 38.503639 °   |
|  |                        |              |    | -121.582128 °          | -121.582128 ° |
| DWR ID   | DWR_RD0999_01_s_2014_9 |              |    |                        |               |
| Action/Comments  |                        |              |    |                        |               |
| Inspector Comments: FS_ID:15343<br>EP_NO: 16087<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe appears to have a leak on the WS toe. Minor erosion is apparent under leak at WS toe. Siphon breaker should be protected in metal riser.<br>FIELD_STRUCT_DESC: 18-inch pipe through the levee 6.5 feet below the crown. Pumps on both ends with a metal walkway on the water side and a electrical panel in a shed on the LS toe. LS pump and walkway on a 8'X8' concrete box off LS toe. Siphon breaker on LS slope. 1.5-inch galvanized electrical conduit at same location on WS. Replaced an existing pipe at same location (Permit No. 16087, 1993).<br>FS Date: 6/25/2013 |                        |              |    |                        |               |

Photo 1 of 1 : UCIP\_1280.jpg



Meter and electrical controls in corrugated metal shed on LS toe.

|                 |                        |              |    |                        |               |
|-----------------|------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>0.13</b>            | Rating **    | M  | Issue No.              | <b>1</b>      |
| LM End          | <b>0.41</b>            | Issue Type + | En | Location *             | WS            |
| Category        | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|                 |                        |              |    | Start                  | End           |
| Item            | Encroachments          |              |    | 38.503346 °            | 38.499389 °   |
|                 |                        |              |    | -121.582116 °          | -121.581933 ° |
| DWR ID          | DWR_RD0999_01_s_2012_1 |              |    |                        |               |
| Action/Comments |                        |              |    |                        |               |
| Material        |                        |              |    |                        |               |

Photo 1 of 4 : richard\_s\_20140314\_431.jpg



Looking west at fill on waterside berm as of 3/2014

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|                 |                        |              |    |                        |                 |
|-----------------|------------------------|--------------|----|------------------------|-----------------|
| LM Start        | <b>0.13</b>            | Rating **    | M  | Issue No.              | <b>1 (cont)</b> |
| LM End          | <b>0.41</b>            | Issue Type + | En | Location *             | WS              |
| Category        | Earthen Levee          |              |    | GPS Latitude/Longitude |                 |
|                 |                        |              |    | Start                  | End             |
| Item            | Encroachments          |              |    | 38.503346 °            | 38.499389 °     |
|                 |                        |              |    | -121.582116 °          | -121.581933 °   |
| DWR ID          | DWR_RD0999_01_s_2012_1 |              |    |                        |                 |
| Action/Comments |                        |              |    |                        |                 |
| Material        |                        |              |    |                        |                 |

Photo 2 of 4 : richard\_s\_20140310\_149.jpg



Looking southwest at fill on waterside berm.

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>0.13</b> | Rating **    | M  | Issue No.  | <b>1 (cont)</b> |
| LM End   | <b>0.41</b> | Issue Type + | En | Location * | WS              |

Photo 3 of 4 : richard\_s\_20140310\_151.jpg



Looking west at fill on waterward berm. 2013

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>0.13</b> | Rating **    | M  | Issue No.  | <b>1 (cont)</b> |
| LM End   | <b>0.41</b> | Issue Type + | En | Location * | WS              |

Photo 4 of 4 : richard\_s\_20140314\_432.jpg



Looking southwest at fill on waterside berm as of 3/2014

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|   |                        |              |                        |               |          |
|---|------------------------|--------------|------------------------|---------------|----------|
| LM Start  | <b>0.29</b>            | Rating **    | M                      | Issue No.     | <b>3</b> |
| LM End  | <b>0.29</b>            | Issue Type + | Ma                     | Location *    | LS       |
| Category  | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|   |                        |              | Start                  | End           |          |
| Item  | Trim / Thin Trees      |              | 38.501113 °            | 38.501113 °   |          |
|   |                        |              | -121.581975 °          | -121.581975 ° |          |
| DWR ID  | DWR_RD0999_01_s_2012_3 |              |                        |               |          |
| Action/Comments   |                        |              |                        |               |          |
| Thin trees to allow visibility of the ground and room to flood fight. |                        |              |                        |               |          |

No Photos

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>0.75</b>             | Rating **    | A/W                    | Issue No.     | <b>13</b> |
| LM End  | <b>0.75</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Encroachments           |              | 38.494401 °            | 38.494401 °   |           |
|   |                         |              | -121.581620 °          | -121.581620 ° |           |
| DWR ID  | DWR_RD0999_01_f_2012_13 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Garbage<br>Inspector Comments: Garbage on waterside shoulder. |                         |              |                        |               |           |

Photo 1 of 2 : richard\_s\_20140310\_162.jpg



Looking west at garbage on waterside shoulder and slope.

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>0.75</b> | Rating **    | A/W | Issue No.  | <b>13 (cont)</b> |
| LM End   | <b>0.75</b> | Issue Type + | Ma  | Location * | WS               |

Photo 2 of 2 : richard\_s\_20140310\_163.jpg



Looking west at garbage on waterside berm.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|                                 |                         |              |    |                        |               |
|---------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start                        | <b>1.74</b>             | Rating **    | M  | Issue No.              | <b>10</b>     |
| LM End                          | <b>1.74</b>             | Issue Type + | En | Location *             | WS            |
| Category                        | Supplemental            |              |    | GPS Latitude/Longitude |               |
|                                 |                         |              |    | Start                  | End           |
| Item                            | DWR UCIP Field Study    |              |    | 38.480097 °            | 38.480097 °   |
|                                 |                         |              |    | -121.580844 °          | -121.580844 ° |
| DWR ID                          | DWR_RD0999_01_s_2014_10 |              |    |                        |               |
| Action/Comments                 |                         |              |    |                        |               |
| Inspector Comments: FS_ID:15346 |                         |              |    |                        |               |

Photo 1 of 1 : UCIP\_1285.jpg



Pump platform visible off LS toe, but no appurtances remain.

|  |                        |              |     |                        |               |
|--|------------------------|--------------|-----|------------------------|---------------|
| LM Start   | <b>1.75</b>            | Rating **    | A/W | Issue No.              | <b>4</b>      |
| LM End   | <b>1.77</b>            | Issue Type + | Ma  | Location *             | WS            |
| Category   | Earthen Levee          |              |     | GPS Latitude/Longitude |               |
|  |                        |              |     | Start                  | End           |
| Item   | Trim / Thin Trees      |              |     | 38.480082 °            | 38.479788 °   |
|  |                        |              |     | -121.580930 °          | -121.580918 ° |
| DWR ID   | DWR_RD0999_01_s_2012_4 |              |     |                        |               |
| Action/Comments                                      |                        |              |     |                        |               |
| Trim trees to at least five feet above ground level. |                        |              |     |                        |               |

Photo 1 of 2 : richard\_s\_20140310\_153.jpg



Looking southwest at trimmed trees on waterward slope.

|          |             |              |     |            |                 |
|----------|-------------|--------------|-----|------------|-----------------|
| LM Start | <b>1.75</b> | Rating **    | A/W | Issue No.  | <b>4 (cont)</b> |
| LM End   | <b>1.77</b> | Issue Type + | Ma  | Location * | WS              |

Photo 2 of 2 : richard\_s\_20140310\_154.jpg



Looking northwest at trimmed trees on waterward slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>1.81</b>             | Rating **    | M                      | Issue No.     | <b>30</b> |
| LM End   | <b>2.07</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.479165 °            | 38.475463 °   |           |
|  |                         |              | -121.580640 °          | -121.580722 ° |           |
| DWR ID   | DWR_RD0999_01_s_2012_30 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

Photo 1 of 3 : richard\_s\_20140310\_175.jpg



Looking southeast at untrimmed tree on landside slope and toe.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>1.81</b> | Rating **    | M  | Issue No.  | <b>30 (cont)</b> |
| LM End   | <b>2.07</b> | Issue Type + | Ma | Location * | LS               |

Photo 2 of 3 : richard\_s\_20140310\_176.jpg



Looking southeast at dense trees on landside slope and toe. (2013)

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>1.81</b> | Rating **    | M  | Issue No.  | <b>30 (cont)</b> |
| LM End   | <b>2.07</b> | Issue Type + | Ma | Location * | LS               |

Photo 3 of 3 : richard\_s\_20140314\_433.jpg



Looking north at several untrimmed trees on landside slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                |  | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|--|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass |  | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|                                 |                         |              |                        |               |           |
|---------------------------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start                        | <b>2.11</b>             | Rating **    | M                      | Issue No.     | <b>56</b> |
| LM End                          | <b>2.11</b>             | Issue Type + | En                     | Location *    | LS        |
| Category                        | Supplemental            |              | GPS Latitude/Longitude |               |           |
|                                 |                         |              | Start                  | End           |           |
| Item                            | DWR UCIP Field Study    |              | 38.474783 °            | 38.474783 °   |           |
|                                 |                         |              | -121.580428 °          | -121.580428 ° |           |
| DWR ID                          | DWR_RD0999_01_s_2014_56 |              |                        |               |           |
| Action/Comments                 |                         |              |                        |               |           |
| Inspector Comments: FS_ID:16324 |                         |              |                        |               |           |

Photo 1 of 1 : UCIP\_1454.jpg



Gasline markers on WS shoulder with USAA paint on roadway.

|  |                        |              |                        |               |          |
|--|------------------------|--------------|------------------------|---------------|----------|
| LM Start   | <b>2.15</b>            | Rating **    | M                      | Issue No.     | <b>7</b> |
| LM End   | <b>2.15</b>            | Issue Type + | Ma                     | Location *    | WS       |
| Category   | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|  |                        |              | Start                  | End           |          |
| Item   | Trim / Thin Trees      |              | 38.474258 °            | 38.474258 °   |          |
|  |                        |              | -121.580528 °          | -121.580528 ° |          |
| DWR ID   | DWR_RD0999_01_s_2012_7 |              |                        |               |          |
| Action/Comments                                      |                        |              |                        |               |          |
| Trim trees to at least five feet above ground level. |                        |              |                        |               |          |

Photo 1 of 1 : richard\_s\_20140310\_160.jpg



Looking southwest at untrimmed trees on waterside slope.

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>2.15</b>             | Rating **    | M                      | Issue No.     | <b>31</b> |
| LM End   | <b>2.15</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.474200 °            | 38.474200 °   |           |
|  |                         |              | -121.580480 °          | -121.580480 ° |           |
| DWR ID   | DWR_RD0999_01_s_2012_31 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140310\_177.jpg



Looking southeast at untrimmed trees on landside slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                |  | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|--|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass |  | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|   |                        |              |                        |               |          |
|---|------------------------|--------------|------------------------|---------------|----------|
| LM Start  | <b>2.20</b>            | Rating **    | A/W                    | Issue No.     | <b>8</b> |
| LM End  | <b>2.21</b>            | Issue Type + | Ma                     | Location *    | WS       |
| Category  | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|   |                        |              | Start                  | End           |          |
| Item  | Trim / Thin Trees      |              | 38.473542 °            | 38.473417 °   |          |
|   |                        |              | -121.580793 °          | -121.580885 ° |          |
| DWR ID  | DWR_RD0999_01_s_2012_8 |              |                        |               |          |
| Action/Comments   |                        |              |                        |               |          |
| Thin trees to allow visibility of the ground and room to flood fight. |                        |              |                        |               |          |

Photo 1 of 1 : richard\_s\_20140310\_161.jpg



Looking southwest at trimmed trees on waterside slope. (Spring 2012)

|   |                         |              |                        |            |           |
|---|-------------------------|--------------|------------------------|------------|-----------|
| LM Start  | <b>2.27</b>             | Rating **    | M                      | Issue No.  | <b>47</b> |
| LM End  | <b>2.27</b>             | Issue Type + | Ma                     | Location * | WS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |            |           |
|   |                         |              | Start                  | End        |           |
| Item  | Encroachments           |              |                        |            |           |
|   |                         |              |                        |            |           |
| DWR ID  | DWR_RD0999_01_s_2013_47 |              |                        |            |           |
| Action/Comments   |                         |              |                        |            |           |
| Garbage<br>Inspector Comments: Garbage (sofa) on waterside toe. |                         |              |                        |            |           |

Photo 1 of 1 : richard\_s\_20140314\_434.jpg



Looking west at garbage (sofa) on waterward toe.

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>2.53</b>             | Rating **    | M                      | Issue No.     | <b>40</b> |
| LM End   | <b>2.53</b>             | Issue Type + | En                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Encroachments           |              | 38.469048 °            | 38.469048 °   |           |
|  |                         |              | -121.583075 °          | -121.583075 ° |           |
| DWR ID   | DWR_RD0999_01_s_2012_40 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Material<br>Inspector Comments: Excavation activity on landside shoulder. Hole is approximately 15ft x 12" x 15". Hole appears to be excavated by a backhoe. |                         |              |                        |               |           |

Photo 1 of 3 : richard\_s\_20140310\_182.jpg



Looking south at excavation with backhoe on landside shoulder.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|  |                         |              |    |                        |                  |
|--|-------------------------|--------------|----|------------------------|------------------|
| LM Start   | <b>2.53</b>             | Rating **    | M  | Issue No.              | <b>40 (cont)</b> |
| LM End   | <b>2.53</b>             | Issue Type + | En | Location *             | LS               |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |                  |
|  |                         |              |    | Start                  | End              |
| Item   | Encroachments           |              |    | 38.469048 °            | 38.469048 °      |
|  |                         |              |    | -121.583075 °          | -121.583075 °    |
| DWR ID   | DWR_RD0999_01_s_2012_40 |              |    |                        |                  |
| Action/Comments  |                         |              |    |                        |                  |
| Material   |                         |              |    |                        |                  |
| Inspector Comments: Excavation activity on landside shoulder. Hole is approximately 15ft x 12" x 15". Hole appears to be excavated by a backhoe. |                         |              |    |                        |                  |

Photo 2 of 3 : richard\_s\_20140310\_183.jpg



Looking north at excavation on landside shoulder.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>2.53</b> | Rating **    | M  | Issue No.  | <b>40 (cont)</b> |
| LM End   | <b>2.53</b> | Issue Type + | En | Location * | LS               |

Photo 3 of 3 : richard\_s\_20140310\_184.jpg



Looking south at close-up view of excavation on landside shoulder.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|   |                                       |              |    |                        |               |
|---|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>2.78</b>                           | Rating **    | M  | Issue No.              | <b>46</b>     |
| LM End  | <b>5.00</b>                           | Issue Type + | Ma | Location *             | CR            |
| Category  | Earthen Levee                         |              |    | GPS Latitude/Longitude |               |
|   |                                       |              |    | Start                  | End           |
| Item  | Crown Surface / Depressions / Rutting |              |    | 38.465627 °            | 38.435378 °   |
|   |                                       |              |    | -121.584634 °          | -121.598664 ° |
| DWR ID  | DWR_RD0999_01_f_2013_46               |              |    |                        |               |
| Action/Comments                                   |                                       |              |    |                        |               |
| Repair depressions or ruts in the crown or slope. |                                       |              |    |                        |               |

Photo 1 of 3 : richard\_s\_20140310\_188.jpg



Looking north at rutting on levee crown.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>2.78</b> | Rating **    | M  | Issue No.  | <b>46 (cont)</b> |
| LM End   | <b>5.00</b> | Issue Type + | Ma | Location * | CR               |

Photo 2 of 3 : richard\_s\_20140310\_189.jpg



Looking south at rutting on levee crown.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>2.78</b> | Rating **    | M  | Issue No.  | <b>46 (cont)</b> |
| LM End   | <b>5.00</b> | Issue Type + | Ma | Location * | CR               |

Photo 3 of 3 : richard\_s\_20140314\_435.jpg



Looking south at growth and ruts on levee crown.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|                           |                         |              |    |                        |           |
|---------------------------|-------------------------|--------------|----|------------------------|-----------|
| LM Start                  | <b>3.24</b>             | Rating **    | M  | Issue No.              | <b>51</b> |
| LM End                    | <b>3.26</b>             | Issue Type + | Ma | Location *             | LS        |
| Category                  | Earthen Levee           |              |    | GPS Latitude/Longitude |           |
|                           |                         |              |    | Start                  | End       |
| Item                      | Slope Stability         |              |    | °                      | °         |
|                           |                         |              |    | °                      | °         |
| DWR ID                    | DWR_RD0999_01_s_2013_51 |              |    |                        |           |
| Action/Comments           |                         |              |    |                        |           |
| Repair slope instability. |                         |              |    |                        |           |

Photo 1 of 2 : richard\_s\_20140310\_196.jpg



Looking northeast at depression on landside shoulder.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.24</b> | Rating **    | M  | Issue No.  | <b>51 (cont)</b> |
| LM End   | <b>3.26</b> | Issue Type + | Ma | Location * | LS               |

Photo 2 of 2 : richard\_s\_20140310\_197.jpg



Looking north at depression on landside should and slope.

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>3.32</b>             | Rating **    | M  | Issue No.              | <b>64</b>     |
| LM End          | <b>3.32</b>             | Issue Type + | En | Location *             | WS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Encroachments           |              |    | 38.458346 °            | 38.458346 °   |
|                 |                         |              |    | -121.588008 °          | -121.588008 ° |
| DWR ID          | DWR_RD0999_01_s_2014_64 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Tree or limb    |                         |              |    |                        |               |

Photo 1 of 2 : richard\_s\_20140314\_436.jpg



Looking west at prunings on waterward berm.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|   |                         |              |                        |               |                  |
|---|-------------------------|--------------|------------------------|---------------|------------------|
| LM Start  | <b>3.32</b>             | Rating **    | M                      | Issue No.     | <b>64 (cont)</b> |
| LM End  | <b>3.32</b>             | Issue Type + | En                     | Location *    | WS               |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |                  |
|   |                         |              | Start                  | End           |                  |
| Item  | Encroachments           |              | 38.458346 °            | 38.458346 °   |                  |
|   |                         |              | -121.588008 °          | -121.588008 ° |                  |
| DWR ID  | DWR_RD0999_01_s_2014_64 |              |                        |               |                  |
| Action/Comments   |                         |              |                        |               |                  |
| Tree or limb<br>Inspector Comments: Discarded tree branches, limbs and power poles stockpile on waterward berm. |                         |              |                        |               |                  |

Photo 2 of 2 : richard\_s\_20140314\_437.jpg



Looking southwest at pruning on waterward berm.

|   |                        |              |                        |               |          |
|---|------------------------|--------------|------------------------|---------------|----------|
| LM Start  | <b>3.33</b>            | Rating **    | M                      | Issue No.     | <b>5</b> |
| LM End  | <b>5.30</b>            | Issue Type + | En                     | Location *    | WS       |
| Category  | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|   |                        |              | Start                  | End           |          |
| Item  | Encroachments          |              | 38.458197 °            | 38.431240 °   |          |
|   |                        |              | -121.588062 °          | -121.600587 ° |          |
| DWR ID  | DWR_RD0999_01_s_2012_5 |              |                        |               |          |
| Action/Comments   |                        |              |                        |               |          |
| Crops<br>Inspector Comments: Landowner has planted an olive grove on waterside berm several years ago without a board permit. |                        |              |                        |               |          |

Photo 1 of 3 : richard\_s\_20140310\_155.jpg



Looking northwest at olive grove on waterside berm at upstream end.

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>3.33</b> | Rating **    | M  | Issue No.  | <b>5 (cont)</b> |
| LM End   | <b>5.30</b> | Issue Type + | En | Location * | WS              |

Photo 2 of 3 : richard\_s\_20140310\_156.jpg



Looking west at olive grove on waterside berm.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|                 |                        |              |                        |               |                 |
|-----------------|------------------------|--------------|------------------------|---------------|-----------------|
| LM Start        | <b>3.33</b>            | Rating **    | M                      | Issue No.     | <b>5 (cont)</b> |
| LM End          | <b>5.30</b>            | Issue Type + | En                     | Location *    | WS              |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |                 |
|                 |                        |              | Start                  | End           |                 |
| Item            | Encroachments          |              | 38.458197 °            | 38.431240 °   |                 |
|                 |                        |              | -121.588062 °          | -121.600587 ° |                 |
| DWR ID          | DWR_RD0999_01_s_2012_5 |              |                        |               |                 |
| Action/Comments |                        |              |                        |               |                 |
| Crops           |                        |              |                        |               |                 |

Photo 3 of 3 : richard\_s\_20140310\_157.jpg



Looking southwest at olive grove on waterside berm at downstream end.

|   |                        |              |                        |               |          |
|---|------------------------|--------------|------------------------|---------------|----------|
| LM Start  | <b>3.63</b>            | Rating **    | M                      | Issue No.     | <b>6</b> |
| LM End  | <b>3.66</b>            | Issue Type + | Ob                     | Location *    | LS       |
| Category  | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|   |                        |              | Start                  | End           |          |
| Item  | Slope Stability        |              | 38.454032 °            | 38.453680 °   |          |
|   |                        |              | -121.590025 °          | -121.590173 ° |          |
| DWR ID  | DWR_RD0999_01_s_2012_6 |              |                        |               |          |
| Action/Comments   |                        |              |                        |               |          |
| Repair slope instability.<br>Inspector Comments: District Manager (Bob Webber) indicated that the area has a history of cracking and sloughing. District plans to repair site this summer. District repaired site without notifying the Dept. No compaction results provided. Unclear how site was repaired. Need more information about repair from district. During the fall inspection small cracks and sloughing were seen re-appearing on landside shoulder and slope. |                        |              |                        |               |          |

Photo 1 of 2 : richard\_s\_20140310\_158.jpg



Looking north at cracking and sloughing on landside shoulder and slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|   |                        |              |                        |               |                 |
|---|------------------------|--------------|------------------------|---------------|-----------------|
| LM Start  | <b>3.63</b>            | Rating **    | M                      | Issue No.     | <b>6 (cont)</b> |
| LM End  | <b>3.66</b>            | Issue Type + | Ob                     | Location *    | LS              |
| Category  | Earthen Levee          |              | GPS Latitude/Longitude |               |                 |
|   |                        |              | Start                  | End           |                 |
| Item  | Slope Stability        |              | 38.454032 °            | 38.453680 °   |                 |
|   |                        |              | -121.590025 °          | -121.590173 ° |                 |
| DWR ID  | DWR_RD0999_01_s_2012_6 |              |                        |               |                 |
| Action/Comments   |                        |              |                        |               |                 |
| Repair slope instability.<br>Inspector Comments: District Manager (Bob Webber) indicated that the area has a history of cracking and sloughing. District plans to repair site this summer. District repaired site without notifying the Dept. No compaction results provided. Unclear how site was repaired. Need more information about repair from district. During the fall inspection small cracks and sloughing were seen re-appearing on landside shoulder and slope. |                        |              |                        |               |                 |

Photo 2 of 2 : richard\_s\_20140310\_159.jpg



Looking north at sloughing on landside shoulder and slope.

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>4.09</b>             | Rating **    | A/W                    | Issue No.     | <b>11</b> |
| LM End   | <b>4.09</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.447772 °            | 38.447772 °   |           |
|  |                         |              | -121.592912 °          | -121.592912 ° |           |
| DWR ID   | DWR_RD0999_01_s_2012_11 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

|                   |
|-------------------|
| <b>* Location</b> |
| LS : Land Side    |
| WS : Water Side   |
| CR : Crown        |

|                          |   |
|--------------------------|---|
| <b>** Rating</b>         |   |
| A : Acceptable           | N : Not Inspected/Rated                 |
| M : Minimally Acceptable | C : Corrected                           |
| U : Unacceptable         | A/W : Acceptable but Monitor & Maintain |

|                                   |
|-----------------------------------|
| <b>+ Issue Type</b>               |
| Ma : Maintenance Deficiency       |
| Ob : Design & System Obsolescence |
| En : Enforcement                  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>4.18</b>             | Rating **    | N                      | Issue No.     | <b>14</b> |
| LM End          | <b>4.18</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Trim / Thin Trees       |              | 38.446619 °            | 38.446619 °   |           |
|                 |                         |              | -121.593442 °          | -121.593442 ° |           |
| DWR ID          | DWR_RD0999_01_s_2012_14 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Tree stumps.    |                         |              |                        |               |           |

No Photos

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>4.19</b>             | Rating **    | N                      | Issue No.     | <b>15</b> |
| LM End          | <b>4.19</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Trim / Thin Trees       |              | 38.446478 °            | 38.446478 °   |           |
|                 |                         |              | -121.593508 °          | -121.593508 ° |           |
| DWR ID          | DWR_RD0999_01_s_2012_15 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Tree stumps.    |                         |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>4.33</b>             | Rating **    | M                      | Issue No.     | <b>35</b> |
| LM End   | <b>4.33</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Slope Stability         |              | 38.444561 °            | 38.444561 °   |           |
|  |                         |              | -121.594438 °          | -121.594438 ° |           |
| DWR ID   | DWR_RD0999_01_f_2012_35 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |                        |               |           |

Photo 1 of 2 : richard\_s\_20140310\_178.jpg



Looking east at slope damage on landside slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|  |                         |              |    |                        |                  |
|--|-------------------------|--------------|----|------------------------|------------------|
| LM Start   | <b>4.33</b>             | Rating **    | M  | Issue No.              | <b>35 (cont)</b> |
| LM End   | <b>4.33</b>             | Issue Type + | Ma | Location *             | LS               |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |                  |
|  |                         |              |    | Start                  | End              |
| Item   | Slope Stability         |              |    | 38.444561 °            | 38.444561 °      |
|  |                         |              |    | -121.594438 °          | -121.594438 °    |
| DWR ID   | DWR_RD0999_01_f_2012_35 |              |    |                        |                  |
| Action/Comments  |                         |              |    |                        |                  |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |    |                        |                  |



Looking north at slope damage caused by vehicle traffic.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>4.33</b>             | Rating **    | M  | Issue No.              | <b>27</b>     |
| LM End  | <b>4.33</b>             | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Slope Stability         |              |    | 38.444560 °            | 38.444560 °   |
|   |                         |              |    | -121.594440 °          | -121.594440 ° |
| DWR ID  | DWR_RD0999_01_f_2012_27 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible.<br>Inspector Comments: Local farmer causing slope damage by driving equipment and trucks on slope. |                         |              |    |                        |               |



Looking northwest at slope damage caused by vehicle traffic.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|   |                         |              |    |                        |                  |
|---|-------------------------|--------------|----|------------------------|------------------|
| LM Start  | <b>4.33</b>             | Rating **    | M  | Issue No.              | <b>27 (cont)</b> |
| LM End  | <b>4.33</b>             | Issue Type + | Ma | Location *             | WS               |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |                  |
|   |                         |              |    | Start                  | End              |
| Item  | Slope Stability         |              |    | 38.444560 °            | 38.444560 °      |
|   |                         |              |    | -121.594440 °          | -121.594440 °    |
| DWR ID  | DWR_RD0999_01_f_2012_27 |              |    |                        |                  |
| Action/Comments   |                         |              |    |                        |                  |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible.<br>Inspector Comments: Local farmer causing slope damage by driving equipment and trucks on slope. |                         |              |    |                        |                  |



Looking west at slope damage on waterside slope.

|   |                         |              |     |                        |           |
|---|-------------------------|--------------|-----|------------------------|-----------|
| LM Start  | <b>4.36</b>             | Rating **    | A/W | Issue No.              | <b>45</b> |
| LM End  | <b>4.36</b>             | Issue Type + | Ma  | Location *             | WS        |
| Category  | Earthen Levee           |              |     | GPS Latitude/Longitude |           |
|   |                         |              |     | Start                  | End       |
| Item  | Vegetation              |              |     |                        |           |
|   |                         |              |     |                        |           |
| DWR ID  | DWR_RD0999_01_f_2013_45 |              |     |                        |           |
| Action/Comments   |                         |              |     |                        |           |
| Remove the wild growth other than native grasses from the levee slopes.<br>Inspector Comments: Landowner has planted cactus on waterward toe. |                         |              |     |                        |           |



Looking west at cactus on waterward toe.

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>4.58</b>             | Rating **    | N  | Issue No.              | <b>16</b>     |
| LM End          | <b>4.58</b>             | Issue Type + | Ma | Location *             | WS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Trim / Thin Trees       |              |    | 38.441063 °            | 38.441063 °   |
|                 |                         |              |    | -121.596038 °          | -121.596038 ° |
| DWR ID          | DWR_RD0999_01_s_2012_16 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Tree stumps.    |                         |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>4.61</b>             | Rating **    | N  | Issue No.              | <b>17</b>     |
| LM End          | <b>4.61</b>             | Issue Type + | Ma | Location *             | WS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Trim / Thin Trees       |              |    | 38.440748 °            | 38.440748 °   |
|                 |                         |              |    | -121.596187 °          | -121.596187 ° |
| DWR ID          | DWR_RD0999_01_s_2012_17 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Tree stumps.    |                         |              |    |                        |               |

No Photos

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>4.84</b>          | Rating **    | M  | Issue No.              | <b>34</b>     |
| LM End  | <b>4.86</b>          | Issue Type + | Ma | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | USACE Erosion Survey |              |    | 38.437506 °            | 38.437296 °   |
|   |                      |              |    | -121.597707 °          | -121.597803 ° |
| DWR ID  |                      |              |    |                        |               |
| Action/Comments   |                      |              |    |                        |               |
| Inspector Comments: 2006 - Slump failure of lower slope. Longitudinal cracks present along the levee slope. 2011 - Difficult to see due to overgrown vegetation. A small section of the levee has slumped. Sties DWS 5.0 and DWS 5.01 were combined. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: DWS_5-0_L] |                      |              |    |                        |               |

No Photos

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>4.85</b>             | Rating **    | M  | Issue No.              | <b>65</b>     |
| LM End  | <b>4.85</b>             | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Slope Stability         |              |    | 38.437388 °            | 38.437388 °   |
|   |                         |              |    | -121.597741 °          | -121.597741 ° |
| DWR ID  | DWR_RD0999_01_s_2014_65 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Repair slope instability.<br>Inspector Comments: Slope depression on waterward near toe of levee. Depression is approx. 18' x 14' x 4' in area. |                         |              |    |                        |               |

Photo 1 of 2 : richard\_s\_20140314\_438.jpg



Looking southwest at depression on waterward toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|   |                         |              |                        |               |                  |
|---|-------------------------|--------------|------------------------|---------------|------------------|
| LM Start  | <b>4.85</b>             | Rating **    | M                      | Issue No.     | <b>65 (cont)</b> |
| LM End  | <b>4.85</b>             | Issue Type + | Ma                     | Location *    | WS               |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |                  |
|   |                         |              | Start                  | End           |                  |
| Item  | Slope Stability         |              | 38.437388 °            | 38.437388 °   |                  |
|   |                         |              | -121.597741 °          | -121.597741 ° |                  |
| DWR ID  | DWR_RD0999_01_s_2014_65 |              |                        |               |                  |
| Action/Comments   |                         |              |                        |               |                  |
| Repair slope instability.<br>Inspector Comments: Slope depression on waterward near toe of levee. Depression is approx. 18' x 14' x 4' in area. |                         |              |                        |               |                  |

Photo 2 of 2 : richard\_s\_20140314\_439.jpg



Looking southeast at depression on waterward toe.

|   |                                       |              |                        |               |           |
|---|---------------------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>5.20</b>                           | Rating **    | M                      | Issue No.     | <b>12</b> |
| LM End  | <b>5.29</b>                           | Issue Type + | Ma                     | Location *    | CR        |
| Category  | Earthen Levee                         |              | GPS Latitude/Longitude |               |           |
|   |                                       |              | Start                  | End           |           |
| Item  | Crown Surface / Depressions / Rutting |              | 38.432700 °            | 38.431425 °   |           |
|   |                                       |              | -121.599950 °          | -121.600528 ° |           |
| DWR ID  | DWR_RD0999_01_s_2012_12               |              |                        |               |           |
| Action/Comments   |                                       |              |                        |               |           |
| Add appropriate gravel or road base. Grade and compact. |                                       |              |                        |               |           |

No Photos

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>5.38</b>             | Rating **    | M                      | Issue No.     | <b>66</b> |
| LM End  | <b>5.38</b>             | Issue Type + | Ma                     | Location *    | CR        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Repair Gates            |              | 38.430209 °            | 38.430209 °   |           |
|   |                         |              | -121.601109 °          | -121.601109 ° |           |
| DWR ID  | DWR_RD0999_01_s_2014_66 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Inspector Comments: Steel chain across gate opening is not according to Title 23 standards. |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140314\_440.jpg



Looking southwest at steel chain across levee crown.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|   |                                       |              |                        |               |           |
|---|---------------------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>6.04</b>                           | Rating **    | M                      | Issue No.     | <b>41</b> |
| LM End  | <b>6.49</b>                           | Issue Type + | Ma                     | Location *    | CR        |
| Category  | Earthen Levee                         |              | GPS Latitude/Longitude |               |           |
|   |                                       |              | Start                  | End           |           |
| Item  | Crown Surface / Depressions / Rutting |              | 38.421228 °            | 38.415043 °   |           |
|   |                                       |              | -121.605263 °          | -121.608115 ° |           |
| DWR ID  | DWR_RD0999_01_s_2012_41               |              |                        |               |           |
| Action/Comments   |                                       |              |                        |               |           |
| Add appropriate gravel or road base. Grade and compact. |                                       |              |                        |               |           |

No Photos

|  |                         |              |                        |            |           |
|--|-------------------------|--------------|------------------------|------------|-----------|
| LM Start   | <b>6.45</b>             | Rating **    | M                      | Issue No.  | <b>52</b> |
| LM End   | <b>6.45</b>             | Issue Type + | Ma                     | Location * | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |            |           |
|  |                         |              | Start                  | End        |           |
| Item   | Encroachments           |              |                        | °          | °         |
|  |                         |              |                        | °          | °         |
| DWR ID   | DWR_RD0999_01_s_2013_52 |              |                        |            |           |
| Action/Comments  |                         |              |                        |            |           |
| Tree or limb<br>Inspector Comments: Downed tree limbs on landside slope. |                         |              |                        |            |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>6.55</b>             | Rating **    | U                      | Issue No.     | <b>18</b> |
| LM End   | <b>6.60</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Encroachments           |              | 38.414367 °            | 38.413698 °   |           |
|  |                         |              | -121.608430 °          | -121.608762 ° |           |
| DWR ID   | DWR_RD0999_01_s_2012_18 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Prunings<br>Inspector Comments: Large pruning piles on landward shoulder. Part of pruning pile blocking levee crown. |                         |              |                        |               |           |

Photo 1 of 3 : richard\_s\_20140314\_441.jpg



Looking northeast at pruning pile on landside crown and shoulder.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|  |                         |              |    |                        |                  |
|--|-------------------------|--------------|----|------------------------|------------------|
| LM Start   | <b>6.55</b>             | Rating **    | U  | Issue No.              | <b>18 (cont)</b> |
| LM End   | <b>6.60</b>             | Issue Type + | Ma | Location *             | LS               |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |                  |
|  |                         |              |    | Start                  | End              |
| Item   | Encroachments           |              |    | 38.414367 °            | 38.413698 °      |
|  |                         |              |    | -121.608430 °          | -121.608762 °    |
| DWR ID   | DWR_RD0999_01_s_2012_18 |              |    |                        |                  |
| Action/Comments  |                         |              |    |                        |                  |
| Prunings<br>Inspector Comments: Large pruning piles on landward shoulder. Part of pruning pile blocking levee crown. |                         |              |    |                        |                  |

Photo 2 of 3 : richard\_s\_20140314\_442.jpg



Looking southeast at prunings on landward slope.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>6.55</b> | Rating **    | U  | Issue No.  | <b>18 (cont)</b> |
| LM End   | <b>6.60</b> | Issue Type + | Ma | Location * | LS               |

Photo 3 of 3 : richard\_s\_20140314\_443.jpg



Looking northwest at pruning pile on landward slope.

|   |                         |              |     |                        |               |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start  | <b>6.57</b>             | Rating **    | A/W | Issue No.              | <b>29</b>     |
| LM End  | <b>6.57</b>             | Issue Type + | Ma  | Location *             | LS            |
| Category  | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|   |                         |              |     | Start                  | End           |
| Item  | Trim / Thin Trees       |              |     | 38.414373 °            | 38.414002 °   |
|   |                         |              |     | -121.608378 °          | -121.608573 ° |
| DWR ID  | DWR_RD0999_01_s_2012_29 |              |     |                        |               |
| Action/Comments   |                         |              |     |                        |               |
| Thin trees to allow visibility of the ground and room to flood fight. |                         |              |     |                        |               |

Photo 1 of 1 : richard\_s\_20140310\_174.jpg



Looking northeast at untrimmed trees on landside shoulder and slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>6.58</b>             | Rating **    | M                      | Issue No.     | <b>42</b> |
| LM End  | <b>6.58</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Animal Control          |              | 38.413858 °            | 38.413858 °   |           |
|   |                         |              | -121.608638 °          | -121.608638 ° |           |
| DWR ID  | DWR_RD0999_01_s_2012_42 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Exterminate rodents and backfill and compact or grout burrows.<br>Inspector Comments: More than five holes within 25' of levee. |                         |              |                        |               |           |

Photo 1 of 2 : richard\_s\_20140310\_185.jpg



Looking at typical rodent hole on landside slope.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>6.58</b> | Rating **    | M  | Issue No.  | <b>42 (cont)</b> |
| LM End   | <b>6.58</b> | Issue Type + | Ma | Location * | LS               |

Photo 2 of 2 : richard\_s\_20140310\_186.jpg



Looking east at rodent holes on landside slope.

|   |                                       |              |                        |               |           |
|---|---------------------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>8.12</b>                           | Rating **    | M                      | Issue No.     | <b>22</b> |
| LM End  | <b>8.89</b>                           | Issue Type + | Ma                     | Location *    | CR        |
| Category  | Earthen Levee                         |              | GPS Latitude/Longitude |               |           |
|   |                                       |              | Start                  | End           |           |
| Item  | Crown Surface / Depressions / Rutting |              | 38.392797 °            | 38.382338 °   |           |
|   |                                       |              | -121.618363 °          | -121.623343 ° |           |
| DWR ID  | DWR_RD0999_01_s_2012_22               |              |                        |               |           |
| Action/Comments                                   |                                       |              |                        |               |           |
| Repair depressions or ruts in the crown or slope. |                                       |              |                        |               |           |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>8.17</b>             | Rating **    | M                      | Issue No.     | <b>25</b> |
| LM End   | <b>8.17</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Encroachments           |              | 38.392255 °            | 38.392255 °   |           |
|  |                         |              | -121.618709 °          | -121.618709 ° |           |
| DWR ID   | DWR_RD0999_01_s_2012_25 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Material<br>Inspector Comments: Concrete rubble on waterside berm. |                         |              |                        |               |           |



Looking west at concrete rubble on waterside berm.

|                 |                          |              |                        |               |            |
|-----------------|--------------------------|--------------|------------------------|---------------|------------|
| LM Start        | <b>9.20</b>              | Rating **    | M                      | Issue No.     | <b>918</b> |
| LM End          | <b>9.27</b>              | Issue Type + | En                     | Location *    | LS         |
| Category        | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|                 |                          |              | Start                  | End           |            |
| Item            | Encroachments            |              | 38.378161 °            | 38.377261 °   |            |
|                 |                          |              | -121.625181 °          | -121.625619 ° |            |
| DWR ID          | DWR_RD0999_01_s_2012_918 |              |                        |               |            |
| Action/Comments |                          |              |                        |               |            |
| Fence           |                          |              |                        |               |            |



Looking north at fence along landside shoulder.

|          |             |              |    |            |                   |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | <b>9.20</b> | Rating **    | M  | Issue No.  | <b>918 (cont)</b> |
| LM End   | <b>9.27</b> | Issue Type + | En | Location * | LS                |



Looking south at fence along landside shoulder.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|  |                                       |              |    |                        |               |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>9.31</b>                           | Rating **    | M  | Issue No.              | <b>919</b>    |
| LM End   | <b>9.74</b>                           | Issue Type + | Ma | Location *             | CR            |
| Category   | Earthen Levee                         |              |    | GPS Latitude/Longitude |               |
|  |                                       |              |    | Start                  | End           |
| Item   | Crown Surface / Depressions / Rutting |              |    | 38.376669 °            | 38.370762 °   |
|  |                                       |              |    | -121.625896 °          | -121.628640 ° |
| DWR ID   | DWR_RD0999_01_s_2012_919              |              |    |                        |               |
| Action/Comments  |                                       |              |    |                        |               |
| Add appropriate material and re-grade the levee to bring the crown |                                       |              |    |                        |               |

Photo 1 of 1 : richard\_s\_20140310\_200.jpg



Looking south at crown roadway.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>9.52</b>             | Rating **    | M  | Issue No.              | <b>57</b>     |
| LM End   | <b>9.52</b>             | Issue Type + | En | Location *             | CR            |
| Category   | Supplemental            |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study    |              |    | 38.373823 °            | 38.373823 °   |
|  |                         |              |    | -121.627212 °          | -121.627212 ° |
| DWR ID   | DWR_RD0999_01_s_2014_57 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| Inspector Comments: FS_ID:24413<br>EP_NO: 13300<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: 6-inch steel pipe through the levee 3.0 feet below the crown. JP and meter at abandoned pump location on LS toe (Permit No. 13300, 1983).<br>FS Date: 6/25/2013 |                         |              |    |                        |               |

Photo 1 of 1 : UCIP\_4108.jpg



Pipe open on WS slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>9.77</b>             | Rating **    | M                      | Issue No.     | <b>20</b> |
| LM End   | <b>9.96</b>             | Issue Type + | En                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Encroachments           |              | 38.370502 °            | 38.367903 °   |           |
|  |                         |              | -121.628975 °          | -121.630017 ° |           |
| DWR ID   | DWR_RD0999_01_s_2012_20 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Fence<br>Inspector Comments: Fence at landside shoulder. |                         |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>9.88</b>             | Rating **    | M                      | Issue No.     | <b>26</b> |
| LM End   | <b>9.88</b>             | Issue Type + | En                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Vegetation              |              | 38.368898 °            | 38.368898 °   |           |
|  |                         |              | -121.629470 °          | -121.629470 ° |           |
| DWR ID   | DWR_RD0999_01_s_2012_26 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Landscaping<br>Inspector Comments: Trees should be trimmed for visibility. |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140310\_170.jpg



Looking northwest at dense trees on waterside slope.

|  |                                       |              |                        |               |            |
|--|---------------------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>9.96</b>                           | Rating **    | M                      | Issue No.     | <b>920</b> |
| LM End   | <b>10.22</b>                          | Issue Type + | Ma                     | Location *    | CR         |
| Category   | Earthen Levee                         |              | GPS Latitude/Longitude |               |            |
|  |                                       |              | Start                  | End           |            |
| Item   | Crown Surface / Depressions / Rutting |              | 38.367831 °            | 38.364238 °   |            |
|  |                                       |              | -121.629990 °          | -121.631674 ° |            |
| DWR ID   | DWR_RD0999_01_s_2012_920              |              |                        |               |            |
| Action/Comments  |                                       |              |                        |               |            |
| Add appropriate material and re-grade the levee to bring the crown above the design elevation. |                                       |              |                        |               |            |

Photo 1 of 1 : richard\_s\_20140310\_201.jpg



Looking south at crown roadway.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|  |                        |              |                        |               |          |
|--|------------------------|--------------|------------------------|---------------|----------|
| LM Start   | <b>9.96</b>            | Rating **    | M                      | Issue No.     | <b>2</b> |
| LM End   | <b>9.96</b>            | Issue Type + | Ma                     | Location *    | LS       |
| Category   | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|  |                        |              | Start                  | End           |          |
| Item   | Animal Control         |              | 38.367750 °            | 38.367750 °   |          |
|  |                        |              | -121.630025 °          | -121.630025 ° |          |
| DWR ID   | DWR_RD0999_01_s_2012_2 |              |                        |               |          |
| Action/Comments  |                        |              |                        |               |          |
| Exterminate rodents and backfill and compact or grout burrows. |                        |              |                        |               |          |

Photo 1 of 1 : richard\_s\_20140310\_152.jpg



Looking south at rodent hole on landside shoulder.

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>10.09</b>            | Rating **    | M                      | Issue No.     | <b>58</b> |
| LM End   | <b>10.09</b>            | Issue Type + | En                     | Location *    | LS        |
| Category   | Supplemental            |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | DWR UCIP Field Study    |              | 38.366030 °            | 38.366030 °   |           |
|  |                         |              | -121.630811 °          | -121.630811 ° |           |
| DWR ID   | DWR_RD0999_01_s_2014_58 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Inspector Comments: FS_ID:24414<br>EP_NO: 5541<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe appears abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: 1 of 2: 10-inch pipe through the levee 2.0 feet below the crown (Permit No. 5541, 1967). Could not find 2/91.<br>Electromagnetic survey indicates pipe at this location.<br>FS Date: 6/25/2013 |                         |              |                        |               |           |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>10.58</b>            | Rating **    | M                      | Issue No.     | <b>28</b> |
| LM End          | <b>10.58</b>            | Issue Type + | En                     | Location *    | WS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.359305 °            | 38.359305 °   |           |
|                 |                         |              | -121.633949 °          | -121.633949 ° |           |
| DWR ID          | DWR_RD0999_01_s_2012_28 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Garbage         |                         |              |                        |               |           |



Looking southwest at garbage on waterside toe and berm.

|  |                                       |              |                        |               |           |
|--|---------------------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>10.64</b>                          | Rating **    | A/W                    | Issue No.     | <b>36</b> |
| LM End   | <b>10.64</b>                          | Issue Type + | Ma                     | Location *    | CR        |
| Category   | Earthen Levee                         |              | GPS Latitude/Longitude |               |           |
|  |                                       |              | Start                  | End           |           |
| Item   | Crown Surface / Depressions / Rutting |              | 38.358523 °            | 38.358523 °   |           |
|  |                                       |              | -121.634303 °          | -121.634303 ° |           |
| DWR ID   | DWR_RD0999_01_s_2012_36               |              |                        |               |           |
| Action/Comments  |                                       |              |                        |               |           |
| Add appropriate material and re-grade the levee to bring the crown above the design elevation. |                                       |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>10.83</b>            | Rating **    | A/W                    | Issue No.     | <b>23</b> |
| LM End   | <b>11.07</b>            | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.356077 °            | 38.352640 °   |           |
|  |                         |              | -121.635598 °          | -121.637078 ° |           |
| DWR ID   | DWR_RD0999_01_s_2012_23 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |



Pine trees along waterside shoulder & slope. (Site of a old christmas tree farm). (Spring 2011)

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|  |                         |              |     |                        |                  |
|--|-------------------------|--------------|-----|------------------------|------------------|
| LM Start   | <b>10.83</b>            | Rating **    | A/W | Issue No.              | <b>23 (cont)</b> |
| LM End   | <b>11.07</b>            | Issue Type + | Ma  | Location *             | WS               |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |                  |
|  |                         |              |     | Start                  | End              |
| Item   | Trim / Thin Trees       |              |     | 38.356077 °            | 38.352640 °      |
|  |                         |              |     | -121.635598 °          | -121.637078 °    |
| DWR ID   | DWR_RD0999_01_s_2012_23 |              |     |                        |                  |
| Action/Comments                                      |                         |              |     |                        |                  |
| Trim trees to at least five feet above ground level. |                         |              |     |                        |                  |

Photo 2 of 2 : richard\_s\_20140310\_168.jpg



Looking south at trimmed pine trees on waterside shoulder and slope. (Spring 2012)

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>11.08</b>            | Rating **    | M  | Issue No.              | <b>67</b>     |
| LM End          | <b>11.08</b>            | Issue Type + | En | Location *             | WS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Encroachments           |              |    | 38.352552 °            | 38.352552 °   |
|                 |                         |              |    | -121.637089 °          | -121.637089 ° |
| DWR ID          | DWR_RD0999_01_s_2014_67 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Prunings        |                         |              |    |                        |               |

Photo 1 of 1 : richard\_s\_20140314\_444.jpg



Looking west at pruning piles on waterward berm.

|   |                                       |              |    |                        |               |
|---|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>11.31</b>                          | Rating **    | M  | Issue No.              | <b>43</b>     |
| LM End  | <b>11.67</b>                          | Issue Type + | Ma | Location *             | CR            |
| Category  | Earthen Levee                         |              |    | GPS Latitude/Longitude |               |
|   |                                       |              |    | Start                  | End           |
| Item  | Crown Surface / Depressions / Rutting |              |    | 38.349380 °            | 38.344455 °   |
|   |                                       |              |    | -121.638540 °          | -121.640845 ° |
| DWR ID  | DWR_RD0999_01_s_2012_43               |              |    |                        |               |
| Action/Comments   |                                       |              |    |                        |               |
| Add appropriate gravel or road base. Grade and compact. |                                       |              |    |                        |               |

No Photos

|                   |
|-------------------|
| <b>* Location</b> |
| LS : Land Side    |
| WS : Water Side   |
| CR : Crown        |

|                          |   |
|--------------------------|---|
| <b>** Rating</b>         |   |
| A : Acceptable           | N : Not Inspected/Rated                 |
| M : Minimally Acceptable | C : Corrected                           |
| U : Unacceptable         | A/W : Acceptable but Monitor & Maintain |

|                                   |
|-----------------------------------|
| <b>+ Issue Type</b>               |
| Ma : Maintenance Deficiency       |
| Ob : Design & System Obsolescence |
| En : Enforcement                  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                |  | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|--|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass |  | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>11.85</b>            | Rating **    | M                      | Issue No.     | <b>48</b> |
| LM End   | <b>11.85</b>            | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Slope Stability         |              | 38.342068 °            | 38.342068 °   |           |
|  |                         |              | -121.641944 °          | -121.641944 ° |           |
| DWR ID   | DWR_RD0999_01_f_2012_48 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible.<br>Inspector Comments: Slope damage caused by vehicle traffic |                         |              |                        |               |           |

Photo 1 of 2 : richard\_s\_20140310\_191.jpg



Looking southwest at slope damage caused by vehicle traffic on waterside slope.

|          |              |              |    |            |                  |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | <b>11.85</b> | Rating **    | M  | Issue No.  | <b>48 (cont)</b> |
| LM End   | <b>11.85</b> | Issue Type + | Ma | Location * | WS               |

Photo 2 of 2 : richard\_s\_20140310\_192.jpg



Looking southwest at slope damage caused by vehicle traffic. 2013

|   |                                       |              |                        |               |           |
|---|---------------------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>12.17</b>                          | Rating **    | M                      | Issue No.     | <b>19</b> |
| LM End  | <b>12.26</b>                          | Issue Type + | Ma                     | Location *    | CR        |
| Category  | Earthen Levee                         |              | GPS Latitude/Longitude |               |           |
|   |                                       |              | Start                  | End           |           |
| Item  | Crown Surface / Depressions / Rutting |              | 38.337567 °            | 38.331138 °   |           |
|   |                                       |              | -121.643538 °          | -121.644781 ° |           |
| DWR ID  | DWR_RD0999_01_s_2012_19               |              |                        |               |           |
| Action/Comments                                   |                                       |              |                        |               |           |
| Repair depressions or ruts in the crown or slope. |                                       |              |                        |               |           |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>12.29</b>            | Rating **    | M                      | Issue No.     | <b>59</b> |
| LM End  | <b>12.29</b>            | Issue Type + | En                     | Location *    | CR        |
| Category  | Supplemental            |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | DWR UCIP Field Study    |              | 38.335834 °            | 38.335834 °   |           |
|   |                         |              | -121.643977 °          | -121.643977 ° |           |
| DWR ID  | DWR_RD0999_01_s_2014_59 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Inspector Comments: FS_ID:15456<br>EP_NO: 11735<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Appears abandoned. Pipe exposed in cut on on WS slope and open at LS toe. No pump or appurtances.<br>FIELD_STRUCT_DESC: 24-inch steel pipe through the levee 7.0 feet below the crown. Pump in drain ditch on the landward side with a sheetpile headwall. Flap gate on the waterward end. Siphon breaker in riser on the landward slope (Permit No. 11735, 1978). Replaced an existing pipe.<br>FS Date: 6/25/2013 |                         |              |                        |               |           |

No Photos

|   |                                       |              |                        |               |           |
|---|---------------------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>12.54</b>                          | Rating **    | U                      | Issue No.     | <b>21</b> |
| LM End  | <b>12.61</b>                          | Issue Type + | Ma                     | Location *    | CR        |
| Category  | Earthen Levee                         |              | GPS Latitude/Longitude |               |           |
|   |                                       |              | Start                  | End           |           |
| Item  | Crown Surface / Depressions / Rutting |              | 38.332288 °            | 38.331247 °   |           |
|   |                                       |              | -121.644640 °          | -121.644765 ° |           |
| DWR ID  | DWR_RD0999_01_s_2012_21               |              |                        |               |           |
| Action/Comments                                   |                                       |              |                        |               |           |
| Repair depressions or ruts in the crown or slope. |                                       |              |                        |               |           |

Photo 1 of 3 : richard\_s\_20140310\_165.jpg



Looking south at rutting on levee crown.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|   |                                       |              |    |                        |                  |
|---|---------------------------------------|--------------|----|------------------------|------------------|
| LM Start  | <b>12.54</b>                          | Rating **    | U  | Issue No.              | <b>21 (cont)</b> |
| LM End  | <b>12.61</b>                          | Issue Type + | Ma | Location *             | CR               |
| Category  | Earthen Levee                         |              |    | GPS Latitude/Longitude |                  |
|   |                                       |              |    | Start                  | End              |
| Item  | Crown Surface / Depressions / Rutting |              |    | 38.332288 °            | 38.331247 °      |
|   |                                       |              |    | -121.644640 °          | -121.644765 °    |
| DWR ID  | DWR_RD0999_01_s_2012_21               |              |    |                        |                  |
| Action/Comments                                   |                                       |              |    |                        |                  |
| Repair depressions or ruts in the crown or slope. |                                       |              |    |                        |                  |

Photo 2 of 3 : richard\_s\_20140310\_166.jpg



Looking south at rutting on levee crown. Spring 2013

|          |              |              |    |            |                  |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | <b>12.54</b> | Rating **    | U  | Issue No.  | <b>21 (cont)</b> |
| LM End   | <b>12.61</b> | Issue Type + | Ma | Location * | CR               |

Photo 3 of 3 : richard\_s\_20140314\_445.jpg



Looking south at rutting on levee crown.

|  |                                       |              |    |                        |               |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>12.94</b>                          | Rating **    | M  | Issue No.              | <b>24</b>     |
| LM End   | <b>13.57</b>                          | Issue Type + | Ma | Location *             | CR            |
| Category   | Earthen Levee                         |              |    | GPS Latitude/Longitude |               |
|  |                                       |              |    | Start                  | End           |
| Item   | Crown Surface / Depressions / Rutting |              |    | 38.326433 °            | 38.317400 °   |
|  |                                       |              |    | -121.644960 °          | -121.644920 ° |
| DWR ID   | DWR_RD0999_01_s_2012_24               |              |    |                        |               |
| Action/Comments  |                                       |              |    |                        |               |
| Add appropriate material and re-grade the levee to bring the crown |                                       |              |    |                        |               |

No Photos

**\* Location**  
LS : Land Side  
WS : Water Side  
CR : Crown

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>13.08</b>            | Rating **    | M                      | Issue No.     | <b>60</b> |
| LM End  | <b>13.08</b>            | Issue Type + | En                     | Location *    | CR        |
| Category  | Supplemental            |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | DWR UCIP Field Study    |              | 38.324534 °            | 38.324534 °   |           |
|   |                         |              | -121.644958 °          | -121.644958 ° |           |
| DWR ID  | DWR_RD0999_01_s_2014_60 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Inspector Comments: FS_ID:24426<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe appears abandoned in place and if so should be done so properly.<br>FIELD_STRUCT_DESC: *Abandoned* 12-inch pipe through levee 5.0 feet below crown. Located 4 feet downstream from a power pole on the landside. Pipe is open on the landside. Not located on the waterward side. Landside toe pipe is crushed not plated. Not found 06/2013.<br>Located by electromagnetic detector at this location.<br>FS Date: 6/25/2013 |                         |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>13.37</b>            | Rating **    | A/W                    | Issue No.     | <b>37</b> |
| LM End   | <b>13.37</b>            | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.320285 °            | 38.320285 °   |           |
|  |                         |              | -121.644957 °          | -121.644957 ° |           |
| DWR ID   | DWR_RD0999_01_s_2012_37 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>13.48</b>            | Rating **    | M                      | Issue No.     | <b>38</b> |
| LM End   | <b>13.48</b>            | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.318648 °            | 38.318648 °   |           |
|  |                         |              | -121.644952 °          | -121.644952 ° |           |
| DWR ID   | DWR_RD0999_01_s_2012_38 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>14.05</b>            | Rating **    | M                      | Issue No.     | <b>49</b> |
| LM End   | <b>14.05</b>            | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Erosion / Bank Caving   |              | 38.310347 °            | 38.310347 °   |           |
|  |                         |              | -121.644955 °          | -121.644955 ° |           |
| DWR ID   | DWR_RD0999_01_f_2012_49 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Note and monitor erosion site.<br>Inspector Comments: Caving, 4' x 10', on landside slope. |                         |              |                        |               |           |

Photo 1 of 2 : richard\_s\_20140310\_193.jpg



Looking east caving on landside slope.

|          |              |              |    |            |                  |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | <b>14.05</b> | Rating **    | M  | Issue No.  | <b>49 (cont)</b> |
| LM End   | <b>14.05</b> | Issue Type + | Ma | Location * | LS               |

Photo 2 of 2 : richard\_s\_20140310\_194.jpg



Looking southeast at caving on landside slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|  |                                       |              |                        |               |           |
|--|---------------------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>14.35</b>                          | Rating **    | M                      | Issue No.     | <b>44</b> |
| LM End   | <b>15.19</b>                          | Issue Type + | Ma                     | Location *    | CR        |
| Category   | Earthen Levee                         |              | GPS Latitude/Longitude |               |           |
|  |                                       |              | Start                  | End           |           |
| Item   | Crown Surface / Depressions / Rutting |              | 38.306113 °            | 38.293917 °   |           |
|  |                                       |              | -121.644942 °          | -121.644958 ° |           |
| DWR ID   | DWR_RD0999_01_s_2012_44               |              |                        |               |           |
| Action/Comments  |                                       |              |                        |               |           |
| Add appropriate material and re-grade the levee to bring the crown |                                       |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140314\_446.jpg



Looking south at growth on levee crown.

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>15.07</b>            | Rating **    | M                      | Issue No.     | <b>32</b> |
| LM End   | <b>15.07</b>            | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.295524 °            | 38.295524 °   |           |
|  |                         |              | -121.644951 °          | -121.644951 ° |           |
| DWR ID   | DWR_RD0999_01_s_2012_32 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>15.28</b>            | Rating **    | M                      | Issue No.     | <b>39</b> |
| LM End  | <b>15.42</b>            | Issue Type + | En                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Encroachments           |              | 38.292620 °            | 38.290525 °   |           |
|   |                         |              | -121.644960 °          | -121.644902 ° |           |
| DWR ID  | DWR_RD0999_01_s_2012_39 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Fence<br>Inspector Comments: Landowner has installed fence along landside slope for sheep to maintain levee slope. Landowner should apply for permit for fence. |                         |              |                        |               |           |

Photo 1 of 2 : richard\_s\_20140310\_180.jpg



Looking south at fence along landside slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                |  |  | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|--|--|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass |  |  | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|   |                         |              |    |                        |                  |
|---|-------------------------|--------------|----|------------------------|------------------|
| LM Start  | <b>15.28</b>            | Rating **    | M  | Issue No.              | <b>39 (cont)</b> |
| LM End  | <b>15.42</b>            | Issue Type + | En | Location *             | LS               |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |                  |
|   |                         |              |    | Start                  | End              |
| Item  | Encroachments           |              |    | 38.292620 °            | 38.290525 °      |
|   |                         |              |    | -121.644960 °          | -121.644902 °    |
| DWR ID  | DWR_RD0999_01_s_2012_39 |              |    |                        |                  |
| Action/Comments   |                         |              |    |                        |                  |
| Fence<br>Inspector Comments: Landowner has installed fence along landside slope for sheep to maintain levee slope. Landowner should apply for permit for fence. |                         |              |    |                        |                  |

Photo 2 of 2 : richard\_s\_20140310\_181.jpg



Looking north at fence along landside slope.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>15.28</b>            | Rating **    | M  | Issue No.              | <b>33</b>     |
| LM End   | <b>15.28</b>            | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Trim / Thin Trees       |              |    | 38.292544 °            | 38.292544 °   |
|  |                         |              |    | -121.644960 °          | -121.644960 ° |
| DWR ID   | DWR_RD0999_01_s_2012_33 |              |    |                        |               |
| Action/Comments                                      |                         |              |    |                        |               |
| Trim trees to at least five feet above ground level. |                         |              |    |                        |               |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>15.34</b>            | Rating **    | M  | Issue No.              | <b>50</b>     |
| LM End   | <b>15.34</b>            | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Encroachments           |              |    | 38.291663 °            | 38.291663 °   |
|  |                         |              |    | -121.644962 °          | -121.644962 ° |
| DWR ID   | DWR_RD0999_01_f_2012_50 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| Tree or limb<br>Inspector Comments: Newly planted palm trees on landside shoulder. |                         |              |    |                        |               |

Photo 1 of 1 : richard\_s\_20140310\_195.jpg



Looking east at newly planted palm trees on landside shoulder and slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                | Bank | Unit Miles | Inspection Start/End     | Inspector          |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.43      | 03/11/2014<br>03/11/2014 | Richard Willoughby |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>15.37</b>            | Rating **    | M  | Issue No.              | <b>61</b>     |
| LM End  | <b>15.37</b>            | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental            |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study    |              |    | 38.291192 °            | 38.291192 °   |
|   |                         |              |    | -121.644987 °          | -121.644987 ° |
| DWR ID  | DWR_RD0999_01_s_2014_61 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Inspector Comments: FS_ID:16330   |                         |              |    |                        |               |
| EP_NO: N/A  |                         |              |    |                        |               |
| Repair Type:  |                         |              |    |                        |               |
| Crossing Status:  |                         |              |    |                        |               |
| UCIP Comments: No permit identified for this crossing.  |                         |              |    |                        |               |
| FIELD_STRUCT_DESC: 4-inch PVC waterline through the levee 2-feet below the crown. Pump off WS toe visible at waters edge. |                         |              |    |                        |               |
| FS Date: 6/25/2013  |                         |              |    |                        |               |

Photo 1 of 1 : UCIP\_1456.jpg



Possible pump visible off WS toe at waters edge.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side<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**

**Unit Cover Sheet**

**Spring 2014 Levee Inspection Results**

**Reclamation District No. 0999 Netherlands**

|                          |  |       |            |
|--------------------------|--|-------|------------|
| Waterway                 |  | Bank  | Unit Miles |
| Unit No. 02 Miner Slough |  | Right | 2.32       |

|  | Spring<br>(March - May) | Summer<br>(June - August) | (September - November)<br>Fall | Winter<br>(December - February) |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit Maintenance Rating<br>(Fall Only) |                         |                           |                                |                                 |
| Date of Inspection                     | 03/13/2014 - 03/13/2014 |                           |                                |                                 |
| DWR Inspector                          | Richard Willoughby      |                           |                                |                                 |
| Accompanied By                         |                         |                           |                                |                                 |

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                 |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|--------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 02 Miner Slough |  | Right | 2.32       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>0.01</b>             | Rating **    | M                      | Issue No.     | <b>17</b> |
| LM End  | <b>0.05</b>             | Issue Type + | En                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Encroachments           |              | 38.290355 °            | 38.290472 °   |           |
|   |                         |              | -121.644713 °          | -121.643888 ° |           |
| DWR ID  | DWR_RD0999_02_s_2012_17 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Fence<br>Inspector Comments: Landowner has installed fence along landside slope for sheep to maintain levee slope. Landowner should apply for permit to keep fence. |                         |              |                        |               |           |

Photo 1 of 2 : richard\_s\_20140310\_221.jpg



Looking northeast at fence along landside shoulder.

Photo 2 of 2 : richard\_s\_20140310\_222.jpg



Looking west at fence along landside slope.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>0.01</b> | Rating **    | M  | Issue No.  | <b>17 (cont)</b> |
| LM End   | <b>0.05</b> | Issue Type + | En | Location * | LS               |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>0.01</b>             | Rating **    | M                      | Issue No.     | <b>36</b> |
| LM End  | <b>2.32</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.290353 °            | 38.286761 °   |           |
|   |                         |              | -121.644643 °          | -121.605921 ° |           |
| DWR ID  | DWR_RD0999_02_s_2014_36 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Control annual grass and weeds on the levee slopes and easements. |                         |              |                        |               |           |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                 | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|--------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 Miner Slough | Right | 2.32       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>0.01</b>             | Rating **    | M                      | Issue No.     | <b>35</b> |
| LM End  | <b>2.32</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.290354 °            | 38.286762 °   |           |
|   |                         |              | -121.644640 °          | -121.605921 ° |           |
| DWR ID  | DWR_RD0999_02_s_2014_35 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Control annual grass and weeds on the levee slopes and easements. |                         |              |                        |               |           |

No Photos

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>0.15</b>             | Rating **    | M                      | Issue No.     | <b>18</b> |
| LM End          | <b>0.15</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.290793 °            | 38.290793 °   |           |
|                 |                         |              | -121.642100 °          | -121.642100 ° |           |
| DWR ID          | DWR_RD0999_02_s_2012_18 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Prunings        |                         |              |                        |               |           |

Photo 1 of 2 : richard\_s\_20140310\_223.jpg



Looking west at prunings on landside berm.

Photo 2 of 2 : richard\_s\_20140310\_224.jpg



Looking west at prunings on landside toe. (Fall Inspection 2012)

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>0.15</b> | Rating **    | M  | Issue No.  | <b>18 (cont)</b> |
| LM End   | <b>0.15</b> | Issue Type + | Ma | Location * | LS               |

|                   |
|-------------------|
| <b>* Location</b> |
| LS : Land Side    |
| WS : Water Side   |
| CR : Crown        |

|                          |   |
|--------------------------|---|
| <b>** Rating</b>         |   |
| A : Acceptable           | N : Not Inspected/Rated                 |
| M : Minimally Acceptable | C : Corrected                           |
| U : Unacceptable         | A/W : Acceptable but Monitor & Maintain |

|                                   |
|-----------------------------------|
| <b>+ Issue Type</b>               |
| Ma : Maintenance Deficiency       |
| Ob : Design & System Obsolescence |
| En : Enforcement                  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                 | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|--------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 Miner Slough | Right | 2.32       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                         |              |    |                        |           |
|-----------------|-------------------------|--------------|----|------------------------|-----------|
| LM Start        | <b>0.17</b>             | Rating **    | U  | Issue No.              | <b>24</b> |
| LM End          | <b>0.17</b>             | Issue Type + | En | Location *             | LS        |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |           |
|                 |                         |              |    | Start                  | End       |
| Item            | Encroachments           |              |    |                        | o         |
|                 |                         |              |    |                        | o         |
| DWR ID          | DWR_RD0999_02_f_2013_24 |              |    |                        |           |
| Action/Comments |                         |              |    |                        |           |
| Building        |                         |              |    |                        |           |

Photo 1 of 2 : richard\_s\_20140310\_232.jpg



Looking west at abandoned building on landward berm.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>0.17</b> | Rating **    | U  | Issue No.  | <b>24 (cont)</b> |
| LM End   | <b>0.17</b> | Issue Type + | En | Location * | LS               |

Photo 2 of 2 : richard\_s\_20140310\_233.jpg



Looking southwest at abandoned building on landward berm.

|   |                         |              |    |                        |           |
|---|-------------------------|--------------|----|------------------------|-----------|
| LM Start  | <b>0.18</b>             | Rating **    | M  | Issue No.              | <b>25</b> |
| LM End  | <b>0.18</b>             | Issue Type + | Ma | Location *             | LS        |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |           |
|   |                         |              |    | Start                  | End       |
| Item  | Vegetation              |              |    |                        | o         |
|   |                         |              |    |                        | o         |
| DWR ID  | DWR_RD0999_02_f_2013_25 |              |    |                        |           |
| Action/Comments   |                         |              |    |                        |           |
| Remove the wild growth other than native grasses from the levee |                         |              |    |                        |           |

No Photos

|   |  |  |
|---|--|--|
| <p><b>* Location</b><br/>                 LS : Land Side<br/>                 WS : Water Side<br/>                 CR : Crown</p> | <p><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 &amp; Maintain</p> | <p><b>+ Issue Type</b><br/>                 Ma : Maintenance Deficiency<br/>                 Ob : Design &amp; System Obsolescence<br/>                 En : Enforcement</p> |
|---|--|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                 |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|--------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 02 Miner Slough |  | Right | 2.32       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                        |              |                        |               |          |
|---|------------------------|--------------|------------------------|---------------|----------|
| LM Start  | <b>0.20</b>            | Rating **    | M                      | Issue No.     | <b>1</b> |
| LM End  | <b>0.20</b>            | Issue Type + | En                     | Location *    | LS       |
| Category  | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|   |                        |              | Start                  | End           |          |
| Item  | Encroachments          |              | 38.290859 °            | 38.290859 °   |          |
|   |                        |              | -121.641220 °          | -121.641220 ° |          |
| DWR ID  | DWR_RD0999_02_f_2012_1 |              |                        |               |          |
| Action/Comments   |                        |              |                        |               |          |
| Building<br>Inspector Comments: Dilapidated building at landside toe. |                        |              |                        |               |          |

Photo 1 of 2 : richard\_s\_20140310\_207.jpg



Looking northwest at dilapidated building at landside toe.

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>0.20</b> | Rating **    | M  | Issue No.  | <b>1 (cont)</b> |
| LM End   | <b>0.20</b> | Issue Type + | En | Location * | LS              |

Photo 2 of 2 : richard\_s\_20140310\_208.jpg



Looking northwest at dilapidated building on landside toe. Spring 2013

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>0.23</b>             | Rating **    | A/W                    | Issue No.     | <b>12</b> |
| LM End  | <b>0.23</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Trim / Thin Trees       |              | 38.290787 °            | 38.290787 °   |           |
|   |                         |              | -121.640725 °          | -121.640725 ° |           |
| DWR ID  | DWR_RD0999_02_s_2012_12 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Thin trees to allow visibility of the ground and room to flood fight. |                         |              |                        |               |           |

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                 |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|--------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 02 Miner Slough |  | Right | 2.32       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>0.72</b>             | Rating **    | M                      | Issue No.     | <b>37</b> |
| LM End   | <b>0.72</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.292783 °            | 38.292783 °   |           |
|  |                         |              | -121.632317 °          | -121.632317 ° |           |
| DWR ID   | DWR_RD0999_02_s_2014_37 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>0.76</b>             | Rating **    | M                      | Issue No.     | <b>26</b> |
| LM End   | <b>0.76</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.292668 °            | 38.292668 °   |           |
|  |                         |              | -121.631755 °          | -121.631755 ° |           |
| DWR ID   | DWR_RD0999_02_f_2013_26 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

|   |                         |              |                        |            |           |
|---|-------------------------|--------------|------------------------|------------|-----------|
| LM Start  | <b>0.77</b>             | Rating **    | M                      | Issue No.  | <b>27</b> |
| LM End  | <b>0.80</b>             | Issue Type + | Ma                     | Location * | WS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |            |           |
|   |                         |              | Start                  | End        |           |
| Item  | Trim / Thin Trees       |              | °                      | °          |           |
|   |                         |              | °                      | °          |           |
| DWR ID  | DWR_RD0999_02_s_2013_27 |              |                        |            |           |
| Action/Comments   |                         |              |                        |            |           |
| Thin trees to allow visibility of the ground and room to flood fight. |                         |              |                        |            |           |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                 | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|--------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 Miner Slough | Right | 2.32       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>0.78</b>            | Rating **    | M  | Issue No.              | <b>4</b>      |
| LM End   | <b>0.78</b>            | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental           |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study   |              |    | 38.292562 °            | 38.292562 °   |
|  |                        |              |    | -121.631331 °          | -121.631331 ° |
| DWR ID   | DWR_RD0999_02_s_2014_4 |              |    |                        |               |
| Action/Comments  |                        |              |    |                        |               |
| Inspector Comments: FS_ID:15384<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe open on both ends. Pumphouse has been removed. Needs to be abandoned properly.<br>FIELD_STRUCT_DESC: *Abandoned* 8-inch pipe through levee 4.5 feet below crown. Abandoned pump house on the waterward slope. Originally included in the 1966 O&M manual.<br>FS Date: 6/27/2013 |                        |              |    |                        |               |

Photo 1 of 1 : UCIP\_1289.jpg



Pipe visible at concrete pad on WS slope.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>0.81</b>             | Rating **    | M  | Issue No.              | <b>14</b>     |
| LM End  | <b>0.81</b>             | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Vegetation              |              |    | 38.292439 °            | 38.292439 °   |
|   |                         |              |    | -121.630781 °          | -121.630781 ° |
| DWR ID  | DWR_RD0999_02_f_2012_14 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Remove the wild growth other than native grasses from the levee slopes.<br>Inspector Comments: Century plant on landside slope. |                         |              |    |                        |               |

Photo 1 of 1 : richard\_s\_20140310\_219.jpg



Looking east at century plant at landside toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

|                          |       |            |                          |                    |
|--------------------------|-------|------------|--------------------------|--------------------|
| Waterway                 | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
| Unit No. 02 Miner Slough | Right | 2.32       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>0.82</b>             | Rating **    | M                      | Issue No.     | <b>19</b> |
| LM End  | <b>0.82</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Trim / Thin Trees       |              | 38.292386 °            | 38.292386 °   |           |
|   |                         |              | -121.630543 °          | -121.630543 ° |           |
| DWR ID  | DWR_RD0999_02_f_2012_19 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Thin trees to allow visibility of the ground and room to flood fight. |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140310\_225.jpg



Looking southeast at dense trees on landside slope and toe.

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>0.83</b>             | Rating **    | M                      | Issue No.     | <b>13</b> |
| LM End          | <b>0.83</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.292352 °            | 38.292352 °   |           |
|                 |                         |              | -121.630452 °          | -121.630452 ° |           |
| DWR ID          | DWR_RD0999_02_s_2012_13 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Tree or limb    |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140310\_218.jpg



Looking northwest at tree limb on landside slope.

|  |                        |              |                        |               |          |
|--|------------------------|--------------|------------------------|---------------|----------|
| LM Start   | <b>0.92</b>            | Rating **    | M                      | Issue No.     | <b>2</b> |
| LM End   | <b>1.02</b>            | Issue Type + | Ma                     | Location *    | LS       |
| Category   | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|  |                        |              | Start                  | End           |          |
| Item   | Animal Control         |              | 38.291823 °            | 38.291250 °   |          |
|  |                        |              | -121.628973 °          | -121.627285 ° |          |
| DWR ID   | DWR_RD0999_02_s_2012_2 |              |                        |               |          |
| Action/Comments  |                        |              |                        |               |          |
| Exterminate rodents and backfill and compact or grout burrows. |                        |              |                        |               |          |

Photo 1 of 1 : richard\_s\_20140310\_209.jpg



Looking at several rodent holes on landside slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                 | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|--------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 Miner Slough | Right | 2.32       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                        |              |    |                        |               |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>0.93</b>            | Rating **    | M  | Issue No.              | <b>9</b>      |
| LM End  | <b>0.93</b>            | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental           |              |    | GPS Latitude/Longitude |               |
|   |                        |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study   |              |    | 38.291739 °            | 38.291739 °   |
|   |                        |              |    | -121.628872 °          | -121.628872 ° |
| DWR ID  | DWR_RD0999_02_s_2014_9 |              |    |                        |               |
| Action/Comments   |                        |              |    |                        |               |
| Inspector Comments: FS_ID:15385<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe should be abandoned properly.<br>FIELD_STRUCT_DESC: *Abandoned* 10-inch steel irrigation pipe through levee 4.9 feet below crown. Capped on both ends. Originally included in the 1966 O&M manual.<br>FS Date: 6/27/2013 |                        |              |    |                        |               |

Photo 1 of 1 : UCIP\_1293.jpg



Pipe with welded steel plate over end visible on WS

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>1.01</b>             | Rating **    | M  | Issue No.              | <b>30</b>     |
| LM End  | <b>1.01</b>             | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental            |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study    |              |    | 38.291252 °            | 38.291252 °   |
|   |                         |              |    | -121.627398 °          | -121.627398 ° |
| DWR ID  | DWR_RD0999_02_s_2014_30 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Inspector Comments: FS_ID:16331<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Need to determine permit for this crossing.<br>FIELD_STRUCT_DESC: Gasline through the levee at an unknown depth. Markers on both shoulders.<br>FS Date: 6/27/2013 |                         |              |    |                        |               |

Photo 1 of 1 : UCIP\_1461.jpg



Gasline marker on LS shoulder.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                 | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|--------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 Miner Slough | Right | 2.32       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                                       |              |    |                        |               |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>1.03</b>                           | Rating **    | M  | Issue No.              | <b>20</b>     |
| LM End   | <b>1.51</b>                           | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee                         |              |    | GPS Latitude/Longitude |               |
|  |                                       |              |    | Start                  | End           |
| Item   | Crown Surface / Depressions / Rutting |              |    | 38.291206 °            | 38.290915 °   |
|  |                                       |              |    | -121.627030 °          | -121.618227 ° |
| DWR ID   | DWR_RD0999_02_f_2012_20               |              |    |                        |               |
| Action/Comments  |                                       |              |    |                        |               |
| Add appropriate material and re-grade the levee to bring the crown above the design elevation. |                                       |              |    |                        |               |

No Photos

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>1.24</b>             | Rating **    | M  | Issue No.              | <b>31</b>     |
| LM End  | <b>1.24</b>             | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental            |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study    |              |    | 38.291379 °            | 38.291379 °   |
|   |                         |              |    | -121.623285 °          | -121.623285 ° |
| DWR ID  | DWR_RD0999_02_s_2014_31 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Inspector Comments: FS_ID:16333<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Need to determine permit for this crossing.<br>FIELD_STRUCT_DESC: 24-inch steel stormdrain through the levee 3-feet below the crown with a pump in a pumphouse on the LS toe.<br>Siphon breaker in a 24-inch steel riser on WS.<br>FS Date: 6/27/2013 |                         |              |    |                        |               |



Pumphouse off LS toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                 | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|--------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 Miner Slough | Right | 2.32       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>1.24</b>             | Rating **    | M                      | Issue No.     | <b>32</b> |
| LM End  | <b>1.24</b>             | Issue Type + | En                     | Location *    | LS        |
| Category  | Supplemental            |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | DWR UCIP Field Study    |              | 38.291381 °            | 38.291381 °   |           |
|   |                         |              | -121.623268 °          | -121.623268 ° |           |
| DWR ID  | DWR_RD0999_02_s_2014_32 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Inspector Comments: FS_ID:16334<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Need to determine permit No. for this crossing.<br>FIELD_STRUCT_DESC: 30-inch steel stormdrain through the levee 2.5-feet below the crown with a pump in a pumphouse on the LS toe.<br>Siphon breaker in a 24-inch steel riser on WS.<br>FS Date: 6/27/2013 |                         |              |                        |               |           |

No Photos

|  |                        |              |                        |               |          |
|--|------------------------|--------------|------------------------|---------------|----------|
| LM Start   | <b>1.66</b>            | Rating **    | U                      | Issue No.     | <b>3</b> |
| LM End   | <b>1.68</b>            | Issue Type + | En                     | Location *    | LS       |
| Category   | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|  |                        |              | Start                  | End           |          |
| Item   | Encroachments          |              | 38.290287 °            | 38.290217 °   |          |
|  |                        |              | -121.615668 °          | -121.615460 ° |          |
| DWR ID   | DWR_RD0999_02_s_2012_3 |              |                        |               |          |
| Action/Comments  |                        |              |                        |               |          |
| Building<br>Inspector Comments: Old abandoned storage shed on landward toe and berm. |                        |              |                        |               |          |

Photo 1 of 2 : richard\_s\_20140310\_210.jpg



Looking northwest at building at landside toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                 |  |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|--------------------------|--|--|-------|------------|--------------------------|--------------------|
| Unit No. 02 Miner Slough |  |  | Right | 2.32       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                        |              |                        |               |                 |
|--|------------------------|--------------|------------------------|---------------|-----------------|
| LM Start   | <b>1.66</b>            | Rating **    | U                      | Issue No.     | <b>3 (cont)</b> |
| LM End   | <b>1.68</b>            | Issue Type + | En                     | Location *    | LS              |
| Category   | Earthen Levee          |              | GPS Latitude/Longitude |               |                 |
|  |                        |              | Start                  | End           |                 |
| Item   | Encroachments          |              | 38.290287 °            | 38.290217 °   |                 |
|  |                        |              | -121.615668 °          | -121.615460 ° |                 |
| DWR ID   | DWR_RD0999_02_s_2012_3 |              |                        |               |                 |
| Action/Comments  |                        |              |                        |               |                 |
| Building<br>Inspector Comments: Old abandoned storage shed on landward toe and berm. |                        |              |                        |               |                 |

Photo 2 of 2 : richard\_s\_20140310\_211.jpg



Looking west at building at landside toe.

|                 |                        |              |                        |               |          |
|-----------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start        | <b>1.66</b>            | Rating **    | M                      | Issue No.     | <b>5</b> |
| LM End          | <b>1.66</b>            | Issue Type + | En                     | Location *    | LS       |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                 |                        |              | Start                  | End           |          |
| Item            | Encroachments          |              | 38.290248 °            | 38.290248 °   |          |
|                 |                        |              | -121.615560 °          | -121.615560 ° |          |
| DWR ID          | DWR_RD0999_02_s_2012_5 |              |                        |               |          |
| Action/Comments |                        |              |                        |               |          |
| Tree or limb    |                        |              |                        |               |          |

No Photos

|   |                         |              |                        |            |           |
|---|-------------------------|--------------|------------------------|------------|-----------|
| LM Start  | <b>1.68</b>             | Rating **    | U                      | Issue No.  | <b>28</b> |
| LM End  | <b>1.68</b>             | Issue Type + | En                     | Location * | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |            |           |
|   |                         |              | Start                  | End        |           |
| Item  | Encroachments           |              |                        |            |           |
|   |                         |              |                        |            |           |
| DWR ID  | DWR_RD0999_02_f_2013_28 |              |                        |            |           |
| Action/Comments   |                         |              |                        |            |           |
| Building<br>Inspector Comments: Abandoned pump house on landward toe. |                         |              |                        |            |           |

Photo 1 of 1 : richard\_s\_20140310\_234.jpg



Looking northwest at abandoned pump house on landward toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                 |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|--------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 02 Miner Slough |  | Right | 2.32       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>1.69</b>             | Rating **    | U                      | Issue No.     | <b>10</b> |
| LM End          | <b>1.69</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.290195 °            | 38.290195 °   |           |
|                 |                         |              | -121.615268 °          | -121.615268 ° |           |
| DWR ID          | DWR_RD0999_02_s_2012_10 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Tank            |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140310\_216.jpg



Looking north at a tank on the landside slope and toe.

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>1.69</b>             | Rating **    | U                      | Issue No.     | <b>11</b> |
| LM End   | <b>1.69</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.290171 °            | 38.290171 °   |           |
|  |                         |              | -121.615260 °          | -121.615260 ° |           |
| DWR ID   | DWR_RD0999_02_s_2012_11 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140310\_217.jpg



Looking southwest at dense trees on landward slope.

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>1.70</b>             | Rating **    | U                      | Issue No.     | <b>15</b> |
| LM End          | <b>1.72</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Vegetation              |              | 38.290026 °            | 38.289865 °   |           |
|                 |                         |              | -121.614942 °          | -121.614742 ° |           |
| DWR ID          | DWR_RD0999_02_s_2012_15 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Landscaping     |                         |              |                        |               |           |

Photo 1 of 2 : richard\_s\_20140310\_220.jpg



Looking southwest at dense veg. on landside toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

|                          |       |            |                          |                    |
|--------------------------|-------|------------|--------------------------|--------------------|
| Waterway                 | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
| Unit No. 02 Miner Slough | Right | 2.32       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                         |              |                        |               |                  |
|-----------------|-------------------------|--------------|------------------------|---------------|------------------|
| LM Start        | <b>1.70</b>             | Rating **    | U                      | Issue No.     | <b>15 (cont)</b> |
| LM End          | <b>1.72</b>             | Issue Type + | En                     | Location *    | LS               |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |                  |
|                 |                         |              | Start                  | End           |                  |
| Item            | Vegetation              |              | 38.290026 °            | 38.289865 °   |                  |
|                 |                         |              | -121.614942 °          | -121.614742 ° |                  |
| DWR ID          | DWR_RD0999_02_s_2012_15 |              |                        |               |                  |
| Action/Comments |                         |              |                        |               |                  |
| Landscaping     |                         |              |                        |               |                  |

Photo 2 of 2 : richard\_s\_20140314\_447.jpg



Looking north at landscaping on landside slope.

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>1.71</b>             | Rating **    | M                      | Issue No.     | <b>33</b> |
| LM End  | <b>1.71</b>             | Issue Type + | En                     | Location *    | LS        |
| Category  | Supplemental            |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | DWR UCIP Field Study    |              | 38.289967 °            | 38.289967 °   |           |
|   |                         |              | -121.614872 °          | -121.614872 ° |           |
| DWR ID  | DWR_RD0999_02_s_2014_33 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Inspector Comments: FS_ID:15386<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: *Abandoned* 10-inch pipe through levee 8.3 feet below crown. 6'X11' corrugated metal Pump house and gate valve on the waterward slope. 36-inch concrete standpipe on LS toe. Originally included in the 1966 O&M manual.<br>FS Date: 6/27/2013 |                         |              |                        |               |           |

Photo 1 of 1 : UCIP\_1296.jpg



Pumphouse on WS slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                 |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|--------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 02 Miner Slough |  | Right | 2.32       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                        |              |                        |               |          |
|---|------------------------|--------------|------------------------|---------------|----------|
| LM Start  | <b>1.72</b>            | Rating **    | M                      | Issue No.     | <b>8</b> |
| LM End  | <b>1.75</b>            | Issue Type + | Ma                     | Location *    | LS       |
| Category  | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|   |                        |              | Start                  | End           |          |
| Item  | Vegetation             |              | 38.289895 °            | 38.289595 °   |          |
|   |                        |              | -121.614688 °          | -121.614337 ° |          |
| DWR ID  | DWR_RD0999_02_s_2012_8 |              |                        |               |          |
| Action/Comments   |                        |              |                        |               |          |
| Remove the wild growth other than native grasses from the levee slopes. |                        |              |                        |               |          |

Photo 1 of 1 : richard\_s\_20140310\_215.jpg



Looking southwest at elderberry bush on landside shoulder and slope.

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>1.73</b>             | Rating **    | U                      | Issue No.     | <b>23</b> |
| LM End   | <b>1.73</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.289755 °            | 38.289755 °   |           |
|  |                         |              | -121.614653 °          | -121.614653 ° |           |
| DWR ID   | DWR_RD0999_02_s_2012_23 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                         |              |                        |               |           |

Photo 1 of 2 : richard\_s\_20140310\_230.jpg



Looking north at dense trees on landward slope and toe.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>1.73</b> | Rating **    | U  | Issue No.  | <b>23 (cont)</b> |
| LM End   | <b>1.73</b> | Issue Type + | Ma | Location * | LS               |

Photo 2 of 2 : richard\_s\_20140310\_231.jpg



Looking southwest at dense trees on landward slope and toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                 |  |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|--------------------------|--|--|-------|------------|--------------------------|--------------------|
| Unit No. 02 Miner Slough |  |  | Right | 2.32       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>1.73</b>             | Rating **    | A/W                    | Issue No.     | <b>21</b> |
| LM End          | <b>1.73</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.289747 °            | 38.289747 °   |           |
|                 |                         |              | -121.614587 °          | -121.614587 ° |           |
| DWR ID          | DWR_RD0999_02_s_2012_21 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Prunings        |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140310\_226.jpg



Looking northeast at prunings on waterside slope.

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>1.77</b>             | Rating **    | M                      | Issue No.     | <b>38</b> |
| LM End   | <b>1.81</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Vegetation              |              | 38.289360 °            | 38.289006 °   |           |
|  |                         |              | -121.614086 °          | -121.613639 ° |           |
| DWR ID   | DWR_RD0999_02_s_2014_38 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Elderberries are blocking visibility and flood fight capability. |                         |              |                        |               |           |

Photo 1 of 2 : richard\_s\_20140314\_448.jpg



Looking east at dense vegetation on waterside slope.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>1.77</b> | Rating **    | M  | Issue No.  | <b>38 (cont)</b> |
| LM End   | <b>1.81</b> | Issue Type + | Ma | Location * | WS               |

Photo 2 of 2 : richard\_s\_20140314\_449.jpg



Looking west at dense vegetation on waterside slope.

|   |  |  |
|---|--|--|
| <p><b>* Location</b><br/>                 LS : Land Side<br/>                 WS : Water Side<br/>                 CR : Crown</p> | <p><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 &amp; Maintain</p> | <p><b>+ Issue Type</b><br/>                 Ma : Maintenance Deficiency<br/>                 Ob : Design &amp; System Obsolescence<br/>                 En : Enforcement</p> |
|---|--|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                 |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|--------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 02 Miner Slough |  | Right | 2.32       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                        |              |                        |               |          |
|---|------------------------|--------------|------------------------|---------------|----------|
| LM Start  | <b>1.79</b>            | Rating **    | A/W                    | Issue No.     | <b>6</b> |
| LM End  | <b>1.89</b>            | Issue Type + | Ma                     | Location *    | LS       |
| Category  | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|   |                        |              | Start                  | End           |          |
| Item  | Vegetation             |              | 38.289117 °            | 38.288718 °   |          |
|   |                        |              | -121.613777 °          | -121.612227 ° |          |
| DWR ID  | DWR_RD0999_02_s_2012_6 |              |                        |               |          |
| Action/Comments   |                        |              |                        |               |          |
| Remove the wild growth other than native grasses from the levee |                        |              |                        |               |          |

Photo 1 of 3 : richard\_s\_20140310\_212.jpg



Looking east at dense wild roses on landside toe. (Spring 2011)

Photo 2 of 3 : richard\_s\_20140310\_213.jpg



Looking north at wild roses on landside toe. (Spring 2011)

Photo 3 of 3 : richard\_s\_20140310\_214.jpg



Looking southeast to wild roses on landside slope and toe. (Spring 2012)

|          |             |              |     |            |                 |
|----------|-------------|--------------|-----|------------|-----------------|
| LM Start | <b>1.79</b> | Rating **    | A/W | Issue No.  | <b>6 (cont)</b> |
| LM End   | <b>1.89</b> | Issue Type + | Ma  | Location * | LS              |

|          |             |              |     |            |                 |
|----------|-------------|--------------|-----|------------|-----------------|
| LM Start | <b>1.79</b> | Rating **    | A/W | Issue No.  | <b>6 (cont)</b> |
| LM End   | <b>1.89</b> | Issue Type + | Ma  | Location * | LS              |

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                 |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|--------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 02 Miner Slough |  | Right | 2.32       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>1.80</b>             | Rating **    | M                      | Issue No.     | <b>22</b> |
| LM End          | <b>2.32</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.289002 °            | 38.286742 °   |           |
|                 |                         |              | -121.613675 °          | -121.605903 ° |           |
| DWR ID          | DWR_RD0999_02_s_2012_22 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Crops           |                         |              |                        |               |           |

Photo 1 of 5 : richard\_s\_20140310\_227.jpg



Looking north at crops encroaching onto landside toe.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>1.80</b> | Rating **    | M  | Issue No.  | <b>22 (cont)</b> |
| LM End   | <b>2.32</b> | Issue Type + | En | Location * | LS               |

Photo 2 of 5 : richard\_s\_20140310\_228.jpg



Looking north at proper toe road on landward berm.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>1.80</b> | Rating **    | M  | Issue No.  | <b>22 (cont)</b> |
| LM End   | <b>2.32</b> | Issue Type + | En | Location * | LS               |

Photo 3 of 5 : richard\_s\_20140310\_229.jpg



Looking south at proper toe road on landward berm.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                 |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|--------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 02 Miner Slough |  | Right | 2.32       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                         |              |                        |               |                  |
|-----------------|-------------------------|--------------|------------------------|---------------|------------------|
| LM Start        | <b>1.80</b>             | Rating **    | M                      | Issue No.     | <b>22 (cont)</b> |
| LM End          | <b>2.32</b>             | Issue Type + | En                     | Location *    | LS               |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |                  |
|                 |                         |              | Start                  | End           |                  |
| Item            | Encroachments           |              | 38.289002 °            | 38.286742 °   |                  |
|                 |                         |              | -121.613675 °          | -121.605903 ° |                  |
| DWR ID          | DWR_RD0999_02_s_2012_22 |              |                        |               |                  |
| Action/Comments |                         |              |                        |               |                  |
| Crops           |                         |              |                        |               |                  |

Photo 4 of 5 : richard\_s\_20140314\_450.jpg



Looking west at crops encroaching on landside toe.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>1.80</b> | Rating **    | M  | Issue No.  | <b>22 (cont)</b> |
| LM End   | <b>2.32</b> | Issue Type + | En | Location * | LS               |

Photo 5 of 5 : richard\_s\_20140314\_451.jpg



Looking east at crops encroaching on landside toe.

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>1.92</b>             | Rating **    | M                      | Issue No.     | <b>16</b> |
| LM End   | <b>1.92</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Vegetation              |              | 38.288713 °            | 38.288713 °   |           |
|  |                         |              | -121.611620 °          | -121.611620 ° |           |
| DWR ID   | DWR_RD0999_02_s_2012_16 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Elderberries are blocking visibility and flood fight capability. |                         |              |                        |               |           |

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                 |  |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|--------------------------|--|--|-------|------------|--------------------------|--------------------|
| Unit No. 02 Miner Slough |  |  | Right | 2.32       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                                       |              |     |                        |               |
|---|---------------------------------------|--------------|-----|------------------------|---------------|
| LM Start  | <b>1.95</b>                           | Rating **    | A/W | Issue No.              | <b>7</b>      |
| LM End  | <b>2.00</b>                           | Issue Type + | Ma  | Location *             | CR            |
| Category  | Earthen Levee                         |              |     | GPS Latitude/Longitude |               |
|   |                                       |              |     | Start                  | End           |
| Item  | Crown Surface / Depressions / Rutting |              |     | 38.288700 °            | 38.288798 °   |
|   |                                       |              |     | -121.611105 °          | -121.610050 ° |
| DWR ID  | DWR_RD0999_02_s_2012_7                |              |     |                        |               |
| Action/Comments                                   |                                       |              |     |                        |               |
| Repair depressions or ruts in the crown or slope. |                                       |              |     |                        |               |

No Photos

|  |                         |              |    |                        |           |
|--|-------------------------|--------------|----|------------------------|-----------|
| LM Start   | <b>2.06</b>             | Rating **    | M  | Issue No.              | <b>29</b> |
| LM End   | <b>2.06</b>             | Issue Type + | Ma | Location *             | LS        |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |           |
|  |                         |              |    | Start                  | End       |
| Item   | Trim / Thin Trees       |              |    |                        |           |
|  |                         |              |    |                        |           |
| DWR ID   | DWR_RD0999_02_f_2013_29 |              |    |                        |           |
| Action/Comments                                      |                         |              |    |                        |           |
| Trim trees to at least five feet above ground level. |                         |              |    |                        |           |

No Photos

|   |  |  |
|---|--|--|
| <p><b>* Location</b><br/>                 LS : Land Side<br/>                 WS : Water Side<br/>                 CR : Crown</p> | <p><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 &amp; Maintain</p> | <p><b>+ Issue Type</b><br/>                 Ma : Maintenance Deficiency<br/>                 Ob : Design &amp; System Obsolescence<br/>                 En : Enforcement</p> |
|---|--|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                 | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|--------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 Miner Slough | Right | 2.32       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>2.27</b>             | Rating **    | M  | Issue No.              | <b>34</b>     |
| LM End  | <b>2.27</b>             | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental            |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study    |              |    | 38.286666 °            | 38.286666 °   |
|   |                         |              |    | -121.606802 °          | -121.606802 ° |
| DWR ID  | DWR_RD0999_02_s_2014_34 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Inspector Comments: FS_ID:15703<br>EP_NO: 3855<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe not capped on LS and not found on WS.<br>FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 4.0 feet below the crown. Capped during winter months. 6-inch pipe sleeved through 10-inch during irrigation season (Permit No. 3855, 1962). Included in the 1966 O&M manual.<br>FS Date: 6/27/2013 |                         |              |    |                        |               |

Photo 1 of 1 : UCIP\_1377.jpg



Pipe visible just off shoulder on LS slope in the rose bushes.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side<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**

**Unit Cover Sheet**

**Spring 2014 Levee Inspection Results**

**Reclamation District No. 0999 Netherlands**

|                           |  |       |            |
|---------------------------|--|-------|------------|
| Waterway                  |  | Bank  | Unit Miles |
| Unit No. 03 Sutter Slough |  | Right | 3.74       |

|  | Spring<br>(March - May) | Summer<br>(June - August) | (September - November)<br>Fall | Winter<br>(December - February) |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit Maintenance Rating<br>(Fall Only) |                         |                           |                                |                                 |
| Date of Inspection                     | 03/13/2014 - 03/13/2014 |                           |                                |                                 |
| DWR Inspector                          | Richard Willoughby      |                           |                                |                                 |
| Accompanied By                         |                         |                           |                                |                                 |

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|---------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough | Right | 3.74       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>0.02</b>             | Rating **    | M                      | Issue No.     | <b>43</b> |
| LM End  | <b>3.74</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.287042 °            | 38.332329 °   |           |
|   |                         |              | -121.605684 °          | -121.584627 ° |           |
| DWR ID  | DWR_RD0999_03_s_2014_43 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Control annual grass and weeds on the levee slopes and easements. |                         |              |                        |               |           |

No Photos

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>0.02</b>             | Rating **    | M                      | Issue No.     | <b>44</b> |
| LM End  | <b>3.74</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.287042 °            | 38.332327 °   |           |
|   |                         |              | -121.605683 °          | -121.584629 ° |           |
| DWR ID  | DWR_RD0999_03_s_2014_44 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Control annual grass and weeds on the levee slopes and easements. |                         |              |                        |               |           |

No Photos

|  |                        |              |                        |               |          |
|--|------------------------|--------------|------------------------|---------------|----------|
| LM Start   | <b>0.03</b>            | Rating **    | M                      | Issue No.     | <b>4</b> |
| LM End   | <b>0.04</b>            | Issue Type + | Ma                     | Location *    | LS       |
| Category   | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|  |                        |              | Start                  | End           |          |
| Item   | Trim / Thin Trees      |              | 38.287145 °            | 38.287267 °   |          |
|  |                        |              | -121.605572 °          | -121.605478 ° |          |
| DWR ID   | DWR_RD0999_03_s_2012_4 |              |                        |               |          |
| Action/Comments  |                        |              |                        |               |          |
| Trim trees to at least five feet above ground level.<br>Inspector Comments: Dense fig trees on landward slope and toe. |                        |              |                        |               |          |

Photo 1 of 3 : richard\_s\_20140310\_245.jpg



Looking southwest at trimmed trees on landside toe. (Spring 2012)

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                  |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|---------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough |  | Right | 3.74       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                        |              |                        |               |                 |
|--|------------------------|--------------|------------------------|---------------|-----------------|
| LM Start   | <b>0.03</b>            | Rating **    | M                      | Issue No.     | <b>4 (cont)</b> |
| LM End   | <b>0.04</b>            | Issue Type + | Ma                     | Location *    | LS              |
| Category   | Earthen Levee          |              | GPS Latitude/Longitude |               |                 |
|  |                        |              | Start                  | End           |                 |
| Item   | Trim / Thin Trees      |              | 38.287145 °            | 38.287267 °   |                 |
|  |                        |              | -121.605572 °          | -121.605478 ° |                 |
| DWR ID   | DWR_RD0999_03_s_2012_4 |              |                        |               |                 |
| Action/Comments  |                        |              |                        |               |                 |
| Trim trees to at least five feet above ground level.<br>Inspector Comments: Dense fig trees on landward slope and toe. |                        |              |                        |               |                 |

Photo 2 of 3 : richard\_s\_20140310\_246.jpg



Looking northwest at dense fig tree on landward slope and toe. 2013

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>0.03</b> | Rating **    | M  | Issue No.  | <b>4 (cont)</b> |
| LM End   | <b>0.04</b> | Issue Type + | Ma | Location * | LS              |

Photo 3 of 3 : richard\_s\_20140314\_452.jpg



Looking west at dense fig trees at landside toe.

|                 |                         |              |                        |            |           |
|-----------------|-------------------------|--------------|------------------------|------------|-----------|
| LM Start        | <b>0.04</b>             | Rating **    | A/W                    | Issue No.  | <b>36</b> |
| LM End          | <b>0.04</b>             | Issue Type + | Ma                     | Location * | WS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |            |           |
|                 |                         |              | Start                  | End        |           |
| Item            | Encroachments           |              |                        | °          | °         |
|                 |                         |              |                        | °          | °         |
| DWR ID          | DWR_RD0999_03_f_2013_36 |              |                        |            |           |
| Action/Comments |                         |              |                        |            |           |
| Prunings        |                         |              |                        |            |           |

Photo 1 of 1 : richard\_s\_20140310\_275.jpg



Looking east at prunings on waterward slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                  |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|---------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough |  | Right | 3.74       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                        |              |                        |               |          |
|-----------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start        | <b>0.04</b>            | Rating **    | A/W                    | Issue No.     | <b>5</b> |
| LM End          | <b>0.05</b>            | Issue Type + | Ma                     | Location *    | LS       |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                 |                        |              | Start                  | End           |          |
| Item            | Vegetation             |              | 38.287267 °            | 38.287395 °   |          |
|                 |                        |              | -121.605477 °          | -121.605378 ° |          |
| DWR ID          | DWR_RD0999_03_s_2012_5 |              |                        |               |          |
| Action/Comments |                        |              |                        |               |          |
| Landscaping     |                        |              |                        |               |          |

Photo 1 of 3 : richard\_s\_20140310\_247.jpg



Looking east at cactus on landside slope during 2011 spring inspection.

|          |             |              |     |            |                 |
|----------|-------------|--------------|-----|------------|-----------------|
| LM Start | <b>0.04</b> | Rating **    | A/W | Issue No.  | <b>5 (cont)</b> |
| LM End   | <b>0.05</b> | Issue Type + | Ma  | Location * | LS              |

Photo 2 of 3 : richard\_s\_20140310\_248.jpg



Looking east at partially dead cactus plant on landside slope during 2011 fall inspection.

|          |             |              |     |            |                 |
|----------|-------------|--------------|-----|------------|-----------------|
| LM Start | <b>0.04</b> | Rating **    | A/W | Issue No.  | <b>5 (cont)</b> |
| LM End   | <b>0.05</b> | Issue Type + | Ma  | Location * | LS              |

Photo 3 of 3 : richard\_s\_20140310\_249.jpg



Looking east at removed cactus on landside slope during 2012 spring inspection.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|---------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough | Right | 3.74       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                        |              |     |                        |               |
|---|------------------------|--------------|-----|------------------------|---------------|
| LM Start  | <b>0.06</b>            | Rating **    | A/W | Issue No.              | <b>1</b>      |
| LM End  | <b>0.06</b>            | Issue Type + | Ma  | Location *             | LS            |
| Category  | Earthen Levee          |              |     | GPS Latitude/Longitude |               |
|   |                        |              |     | Start                  | End           |
| Item  | Vegetation             |              |     | 38.287540 °            | 38.287540 °   |
|   |                        |              |     | -121.605283 °          | -121.605283 ° |
| DWR ID  | DWR_RD0999_03_s_2012_1 |              |     |                        |               |
| Action/Comments   |                        |              |     |                        |               |
| Remove the wild growth other than native grasses from the levee |                        |              |     |                        |               |

Photo 1 of 3 : richard\_s\_20140310\_241.jpg



Looking west at dense vegetation on landside slope near ramp. (Spring 2011)

|          |             |              |     |            |                 |
|----------|-------------|--------------|-----|------------|-----------------|
| LM Start | <b>0.06</b> | Rating **    | A/W | Issue No.  | <b>1 (cont)</b> |
| LM End   | <b>0.06</b> | Issue Type + | Ma  | Location * | LS              |

Photo 2 of 3 : richard\_s\_20140310\_242.jpg



Looking southwest at dense vegetation and cactus on landside slope. (Spring 2012)

|          |             |              |     |            |                 |
|----------|-------------|--------------|-----|------------|-----------------|
| LM Start | <b>0.06</b> | Rating **    | A/W | Issue No.  | <b>1 (cont)</b> |
| LM End   | <b>0.06</b> | Issue Type + | Ma  | Location * | LS              |

Photo 3 of 3 : richard\_s\_20140310\_243.jpg



Looking northeast at vegetation on landside slope and toe. (Fall Inspection 2012)

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                  |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|---------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough |  | Right | 3.74       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                         |              |                        |            |           |
|-----------------|-------------------------|--------------|------------------------|------------|-----------|
| LM Start        | <b>0.07</b>             | Rating **    | M                      | Issue No.  | <b>37</b> |
| LM End          | <b>0.07</b>             | Issue Type + | En                     | Location * | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |            |           |
|                 |                         |              | Start                  | End        |           |
| Item            | Vegetation              |              |                        | °          | °         |
|                 |                         |              |                        | °          | °         |
| DWR ID          | DWR_RD0999_03_f_2013_37 |              |                        |            |           |
| Action/Comments |                         |              |                        |            |           |
| Landscaping     |                         |              |                        |            |           |

Photo 1 of 1 : richard\_s\_20140310\_276.jpg



Looking southwest at dense cactus plants on landward slope.

|   |                                       |              |                        |               |          |
|---|---------------------------------------|--------------|------------------------|---------------|----------|
| LM Start  | <b>0.09</b>                           | Rating **    | M                      | Issue No.     | <b>9</b> |
| LM End  | <b>1.50</b>                           | Issue Type + | Ma                     | Location *    | CR       |
| Category  | Earthen Levee                         |              | GPS Latitude/Longitude |               |          |
|   |                                       |              | Start                  | End           |          |
| Item  | Crown Surface / Depressions / Rutting |              | 38.287873 °            | 38.306151 °   |          |
|   |                                       |              | -121.605108 °          | -121.599374 ° |          |
| DWR ID  | DWR_RD0999_03_f_2012_9                |              |                        |               |          |
| Action/Comments                                   |                                       |              |                        |               |          |
| Repair depressions or ruts in the crown or slope. |                                       |              |                        |               |          |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|---------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough | Right | 3.74       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>0.09</b>          | Rating **    | U  | Issue No.              | <b>29</b>     |
| LM End  | <b>0.09</b>          | Issue Type + | Ma | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | USACE Erosion Survey |              |    | 38.289634 °            | 38.295505 °   |
|   |                      |              |    | -121.604343 °          | -121.605648 ° |
| DWR ID  |                      |              |    |                        |               |
| Action/Comments   |                      |              |    |                        |               |
| Inspector Comments: 1997 - Intermittent over-steepened sections. Large riparian vegetation along the length of the entire reach. Attempts to repair with rock on bank have failed. 1999 - New rock repair at the downstream end. 2002 - Some minor spot repairs. 2009 - Minimal new erosion. 2010 - Appears that fresh rock placed on downstream portion of site. Toe scour and overhanging trees with some overturned. 2012 - Minor new erosion at the toe. 2013: Site upgraded to CRITICAL. Severe slumping into levee at downstream end of site. Fresh erosion into bank toe. [2013 Site ID: STR_24-7_R] |                      |              |    |                        |               |

Photo 1 of 1 : USACE2013A\_STR\_24-7\_R\_12.jpg



USACE 2013 Photo #1

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>0.09</b>             | Rating **    | M  | Issue No.              | <b>45</b>     |
| LM End          | <b>0.39</b>             | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Encroachments           |              |    | 38.287929 °            | 38.292129 °   |
|                 |                         |              |    | -121.605098 °          | -121.604885 ° |
| DWR ID          | DWR_RD0999_03_s_2014_45 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Crops           |                         |              |    |                        |               |

Photo 1 of 1 : richard\_s\_20140314\_453.jpg



Looking north at crops encroaching onto landside toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|---------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough | Right | 3.74       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>0.16</b>             | Rating **    | M  | Issue No.              | <b>39</b>     |
| LM End  | <b>0.16</b>             | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental            |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study    |              |    | 38.288812 °            | 38.288812 °   |
|   |                         |              |    | -121.604670 °          | -121.604670 ° |
| DWR ID  | DWR_RD0999_03_s_2014_39 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Inspector Comments: FS_ID:15389<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: *Abandoned* 10-inch pipe through levee 6.2 feet below crown. Abandoned 4'X7' concrete pumphouse and gate valve on the landward slope. Plate welded on the waterward end. Originally included in the 1966 O&M manual.<br>FS Date: 6/27/2013 |                         |              |    |                        |               |

Photo 1 of 1 : UCIP\_1299.jpg



Pumphouse on LS slope covered in rose bush.

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>0.44</b>            | Rating **    | M  | Issue No.              | <b>7</b>      |
| LM End   | <b>0.44</b>            | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Vegetation             |              |    | 38.292748 °            | 38.292748 °   |
|  |                        |              |    | -121.604972 °          | -121.604972 ° |
| DWR ID   | DWR_RD0999_03_s_2012_7 |              |    |                        |               |
| Action/Comments  |                        |              |    |                        |               |
| Elderberries are blocking visibility and flood fight capability. |                        |              |    |                        |               |

Photo 1 of 1 : richard\_s\_20140310\_250.jpg



Looking south at thinned Elderberry on waterside slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                  |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|---------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough |  | Right | 3.74       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                        |              |                        |               |          |
|--|------------------------|--------------|------------------------|---------------|----------|
| LM Start   | <b>0.64</b>            | Rating **    | M                      | Issue No.     | <b>8</b> |
| LM End   | <b>0.64</b>            | Issue Type + | Ma                     | Location *    | LS       |
| Category   | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|  |                        |              | Start                  | End           |          |
| Item   | Vegetation             |              | 38.295618 °            | 38.295618 °   |          |
|  |                        |              | -121.605923 °          | -121.605923 ° |          |
| DWR ID   | DWR_RD0999_03_s_2012_8 |              |                        |               |          |
| Action/Comments  |                        |              |                        |               |          |
| Elderberries are blocking visibility and flood fight capability. |                        |              |                        |               |          |

Photo 1 of 1 : richard\_s\_20140310\_251.jpg



Elderberries blocking view of landside toe.

|  |                        |              |                        |               |          |
|--|------------------------|--------------|------------------------|---------------|----------|
| LM Start   | <b>0.67</b>            | Rating **    | A/W                    | Issue No.     | <b>3</b> |
| LM End   | <b>0.67</b>            | Issue Type + | Ma                     | Location *    | WS       |
| Category   | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|  |                        |              | Start                  | End           |          |
| Item   | Trim / Thin Trees      |              | 38.296022 °            | 38.296022 °   |          |
|  |                        |              | -121.605889 °          | -121.605889 ° |          |
| DWR ID   | DWR_RD0999_03_s_2012_3 |              |                        |               |          |
| Action/Comments                                      |                        |              |                        |               |          |
| Trim trees to at least five feet above ground level. |                        |              |                        |               |          |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>0.67</b>             | Rating **    | M                      | Issue No.     | <b>15</b> |
| LM End   | <b>0.68</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Vegetation              |              | 38.296073 °            | 38.296203 °   |           |
|  |                         |              | -121.605872 °          | -121.605837 ° |           |
| DWR ID   | DWR_RD0999_03_s_2012_15 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Elderberries are blocking visibility and flood fight capability. |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140310\_254.jpg



Looking northeast at dense elderberry on waterward slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                  |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|---------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough |  | Right | 3.74       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>0.71</b>             | Rating **    | M                      | Issue No.     | <b>17</b> |
| LM End   | <b>0.71</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Animal Control          |              | 38.296632 °            | 38.296632 °   |           |
|  |                         |              | -121.605692 °          | -121.605692 ° |           |
| DWR ID   | DWR_RD0999_03_s_2012_17 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                         |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>0.72</b>             | Rating **    | A/W                    | Issue No.     | <b>23</b> |
| LM End   | <b>0.72</b>             | Issue Type + | En                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.296716 °            | 38.296716 °   |           |
|  |                         |              | -121.605700 °          | -121.605700 ° |           |
| DWR ID   | DWR_RD0999_03_s_2012_23 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

|                 |                        |              |                        |               |          |
|-----------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start        | <b>0.73</b>            | Rating **    | A/W                    | Issue No.     | <b>2</b> |
| LM End          | <b>0.73</b>            | Issue Type + | Ma                     | Location *    | LS       |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                 |                        |              | Start                  | End           |          |
| Item            | Encroachments          |              | 38.296942 °            | 38.296942 °   |          |
|                 |                        |              | -121.605528 °          | -121.605528 ° |          |
| DWR ID          | DWR_RD0999_03_s_2012_2 |              |                        |               |          |
| Action/Comments |                        |              |                        |               |          |
| Prunings        |                        |              |                        |               |          |

Photo 1 of 2 : richard\_s\_20140310\_244.jpg



Looking west at prunings on landward berm.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                  |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|---------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough |  | Right | 3.74       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                        |              |                        |               |                 |
|-----------------|------------------------|--------------|------------------------|---------------|-----------------|
| LM Start        | <b>0.73</b>            | Rating **    | A/W                    | Issue No.     | <b>2 (cont)</b> |
| LM End          | <b>0.73</b>            | Issue Type + | Ma                     | Location *    | LS              |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |                 |
|                 |                        |              | Start                  | End           |                 |
| Item            | Encroachments          |              | 38.296942 °            | 38.296942 °   |                 |
|                 |                        |              | -121.605528 °          | -121.605528 ° |                 |
| DWR ID          | DWR_RD0999_03_s_2012_2 |              |                        |               |                 |
| Action/Comments |                        |              |                        |               |                 |
| Prunings        |                        |              |                        |               |                 |

Photo 2 of 2 : richard\_s\_20140314\_454.jpg



Looking west at burned prunings on landward berm.

|  |                        |              |                        |               |          |
|--|------------------------|--------------|------------------------|---------------|----------|
| LM Start   | <b>0.93</b>            | Rating **    | A/W                    | Issue No.     | <b>6</b> |
| LM End   | <b>0.93</b>            | Issue Type + | Ma                     | Location *    | LS       |
| Category   | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|  |                        |              | Start                  | End           |          |
| Item   | Vegetation             |              | 38.299197 °            | 38.299197 °   |          |
|  |                        |              | -121.603685 °          | -121.603685 ° |          |
| DWR ID   | DWR_RD0999_03_s_2012_6 |              |                        |               |          |
| Action/Comments  |                        |              |                        |               |          |
| Remove the wild growth other than native grasses from the levee slopes.<br>Inspector Comments: Wild roses on landside slope. |                        |              |                        |               |          |

No Photos

|  |                      |              |                        |               |           |
|--|----------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>0.96</b>          | Rating **    | M                      | Issue No.     | <b>30</b> |
| LM End   | <b>0.96</b>          | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Supplemental         |              | GPS Latitude/Longitude |               |           |
|  |                      |              | Start                  | End           |           |
| Item   | USACE Erosion Survey |              | 38.299402 °            | 38.300542 °   |           |
|  |                      |              | -121.603056 °          | -121.601118 ° |           |
| DWR ID   |                      |              |                        |               |           |
| Action/Comments  |                      |              |                        |               |           |
| Inspector Comments: 2008 - Over steepened levee section. 2009 - Significant new erosion. 2010 - Minor new erosion. 2013: No observed changes. [2013 Site ID: STR_25-2_R] |                      |              |                        |               |           |

Photo 1 of 1 : USACE2013A\_STR\_25-2\_R\_11.jpg



USACE 2013 Photo #1

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|---------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough | Right | 3.74       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>1.31</b>          | Rating **    | M  | Issue No.              | <b>33</b>     |
| LM End  | <b>1.31</b>          | Issue Type + | Ma | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | USACE Erosion Survey |              |    | 38.305229 °            | 38.306667 °   |
|   |                      |              |    | -121.599933 °          | -121.598266 ° |
| DWR ID  |                      |              |    |                        |               |
| Action/Comments   |                      |              |    |                        |               |
| Inspector Comments: 2011 - Toe scour along length of site and erosion pockets. 2012 - Site extended slightly upstream due to new erosion pocket. 2013: Tall vertical sections at upstream end of site. [2013 Site ID: STR_25-7_R] |                      |              |    |                        |               |

Photo 1 of 1 : USACE2013A\_STR\_25-7\_R\_11.jpg



USACE 2013 Photo #1

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>1.49</b>             | Rating **    | M  | Issue No.              | <b>11</b>     |
| LM End   | <b>1.49</b>             | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Trim / Thin Trees       |              |    | 38.306062 °            | 38.306062 °   |
|  |                         |              |    | -121.599495 °          | -121.599495 ° |
| DWR ID   | DWR_RD0999_03_s_2012_11 |              |    |                        |               |
| Action/Comments                                      |                         |              |    |                        |               |
| Trim trees to at least five feet above ground level. |                         |              |    |                        |               |

No Photos

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | <b>1.52</b>             | Rating **    | A/W | Issue No.              | <b>12</b>     |
| LM End   | <b>1.52</b>             | Issue Type + | Ma  | Location *             | LS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Trim / Thin Trees       |              |     | 38.306332 °            | 38.306332 °   |
|  |                         |              |     | -121.599109 °          | -121.599109 ° |
| DWR ID   | DWR_RD0999_03_s_2012_12 |              |     |                        |               |
| Action/Comments                                      |                         |              |     |                        |               |
| Trim trees to at least five feet above ground level. |                         |              |     |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                  |  |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|---------------------------|--|--|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough |  |  | Right | 3.74       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>1.56</b>             | Rating **    | M                      | Issue No.     | <b>13</b> |
| LM End   | <b>1.58</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.306762 °            | 38.306948 °   |           |
|  |                         |              | -121.598541 °          | -121.598320 ° |           |
| DWR ID   | DWR_RD0999_03_s_2012_13 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                         |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>1.67</b>             | Rating **    | A/W                    | Issue No.     | <b>14</b> |
| LM End   | <b>1.67</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.308129 °            | 38.308129 °   |           |
|  |                         |              | -121.598610 °          | -121.598610 ° |           |
| DWR ID   | DWR_RD0999_03_s_2012_14 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                  |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|---------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough |  | Right | 3.74       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>1.70</b>             | Rating **    | M                      | Issue No.     | <b>40</b> |
| LM End   | <b>1.70</b>             | Issue Type + | En                     | Location *    | LS        |
| Category   | Supplemental            |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | DWR UCIP Field Study    |              | 38.308513 °            | 38.308513 °   |           |
|  |                         |              | -121.598874 °          | -121.598874 ° |           |
| DWR ID   | DWR_RD0999_03_s_2014_40 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Inspector Comments: FS_ID:15392<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe abandoned and should be verified as being done so properly.<br>FIELD_STRUCT_DESC: *Abandoned* 5-inch pipe through levee 4.4 feet below crown. Pump and valve in pump house on the waterward slope (couldn't see landward end of pipe 2/91). 1-inch galvanized iron electric conduit at same location. Originally included in the 1966 O&M manual.<br>FS Date: 6/27/2013 |                         |              |                        |               |           |

Photo 1 of 1 : UCIP\_1302.jpg



Pumphouse visible on WS slope.

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>1.96</b>             | Rating **    | A/W                    | Issue No.     | <b>20</b> |
| LM End   | <b>1.96</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.311447 °            | 38.311447 °   |           |
|  |                         |              | -121.597358 °          | -121.597358 ° |           |
| DWR ID   | DWR_RD0999_03_s_2012_20 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

|  |  |   |
|--|--|---|
| <p><b>* Location</b><br/>LS : Land Side<br/>WS : Water Side<br/>CR : Crown</p> | <p><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 &amp; Maintain</p> | <p><b>+ Issue Type</b><br/>Ma : Maintenance Deficiency<br/>Ob : Design &amp; System Obsolescence<br/>En : Enforcement</p> |
|--|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                  |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|---------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough |  | Right | 3.74       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>2.00</b>             | Rating **    | M                      | Issue No.     | <b>41</b> |
| LM End   | <b>2.00</b>             | Issue Type + | En                     | Location *    | LS        |
| Category   | Supplemental            |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | DWR UCIP Field Study    |              | 38.311708 °            | 38.311708 °   |           |
|  |                         |              | -121.596712 °          | -121.596712 ° |           |
| DWR ID   | DWR_RD0999_03_s_2014_41 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Inspector Comments: FS_ID:15393<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: 7-inch pipe through levee 4.6 feet below crown. Pump and gate valve on waterward slope. Service pole on the landward slope. 1-inch galvanized iron electrical conduit at same location. Originally included in the 1966 O&M manual.<br>FS Date: 6/27/2013 |                         |              |                        |               |           |

Photo 1 of 1 : UCIP\_1304.jpg



Gate valve on WS slope at pump.

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>2.02</b>             | Rating **    | A/W                    | Issue No.     | <b>21</b> |
| LM End   | <b>2.02</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.311897 °            | 38.311897 °   |           |
|  |                         |              | -121.596394 °          | -121.596394 ° |           |
| DWR ID   | DWR_RD0999_03_s_2012_21 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140310\_257.jpg



Looking north at willow on landside slope and toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|---------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough | Right | 3.74       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>2.02</b>             | Rating **    | M                      | Issue No.     | <b>46</b> |
| LM End   | <b>2.02</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.311898 °            | 38.311898 °   |           |
|  |                         |              | -121.596379 °          | -121.596379 ° |           |
| DWR ID   | DWR_RD0999_03_s_2014_46 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>2.09</b>             | Rating **    | A/W                    | Issue No.     | <b>26</b> |
| LM End   | <b>2.09</b>             | Issue Type + | En                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.312470 °            | 38.312470 °   |           |
|  |                         |              | -121.595433 °          | -121.595433 ° |           |
| DWR ID   | DWR_RD0999_03_s_2012_26 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>2.12</b>             | Rating **    | A/W                    | Issue No.     | <b>24</b> |
| LM End   | <b>2.12</b>             | Issue Type + | En                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.312839 °            | 38.312839 °   |           |
|  |                         |              | -121.594936 °          | -121.594936 ° |           |
| DWR ID   | DWR_RD0999_03_s_2012_24 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

|                   |
|-------------------|
| <b>* Location</b> |
| LS : Land Side    |
| WS : Water Side   |
| CR : Crown        |

|                          |   |
|--------------------------|---|
| <b>** Rating</b>         |   |
| A : Acceptable           | N : Not Inspected/Rated                 |
| M : Minimally Acceptable | C : Corrected                           |
| U : Unacceptable         | A/W : Acceptable but Monitor & Maintain |

|                                   |
|-----------------------------------|
| <b>+ Issue Type</b>               |
| Ma : Maintenance Deficiency       |
| Ob : Design & System Obsolescence |
| En : Enforcement                  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|---------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough | Right | 3.74       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | <b>2.15</b>             | Rating **    | A/W | Issue No.              | <b>25</b>     |
| LM End   | <b>2.15</b>             | Issue Type + | En  | Location *             | LS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Trim / Thin Trees       |              |     | 38.313099 °            | 38.313099 °   |
|  |                         |              |     | -121.594568 °          | -121.594568 ° |
| DWR ID   | DWR_RD0999_03_s_2012_25 |              |     |                        |               |
| Action/Comments                                      |                         |              |     |                        |               |
| Trim trees to at least five feet above ground level. |                         |              |     |                        |               |

No Photos

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>2.25</b>          | Rating **    | M  | Issue No.              | <b>34</b>     |
| LM End   | <b>2.36</b>          | Issue Type + | Ma | Location *             | WS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | USACE Erosion Survey |              |    | 38.315407 °            | 38.313836 °   |
|  |                      |              |    | -121.591433 °          | -121.592259 ° |
| DWR ID   |                      |              |    |                        |               |
| Action/Comments  |                      |              |    |                        |               |
| Inspector Comments: 2002 - Original rock over geotextile is sliding off and the end is coming unraveled. 2003 - Some minor new erosion on the downstream end. 2004 - Site has gotten worse. Underlined geofabric is exposed. 2005 - Still looks bad with exposed geotextile fabric. 2006 - Still have some new unraveling and exposed fabric. Site lengthened upstream. 2009 - Minimal new erosion. 2010 - geotextile fabric placed since last year, possible flood fight. 2012 - Exposed geotech style fabric, assume rock on top slid off. 2013: No observed changes. [2013 Site ID: STR_26-5_L] |                      |              |    |                        |               |

Photo 1 of 1 : USACE2013A\_STR\_26-5\_L\_8.jpg



USACE 2013 Photo #1

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                  |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|---------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough |  | Right | 3.74       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>2.54</b>             | Rating **    | M                      | Issue No.     | <b>27</b> |
| LM End   | <b>2.54</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Encroachments           |              | 38.317840 °            | 38.317840 °   |           |
|  |                         |              | -121.590895 °          | -121.590895 ° |           |
| DWR ID   | DWR_RD0999_03_s_2012_27 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Equipment<br>Inspector Comments: Diesel tank stored at landside toe. |                         |              |                        |               |           |

Photo 1 of 2 : richard\_s\_20140310\_260.jpg



Looking northwest at equipment at landside toe.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>2.54</b> | Rating **    | M  | Issue No.  | <b>27 (cont)</b> |
| LM End   | <b>2.54</b> | Issue Type + | Ma | Location * | LS               |

Photo 2 of 2 : richard\_s\_20140310\_261.jpg



Looking southwest at farm equipment stored at landside toe. (Fall Inspection 2012)

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>2.69</b>             | Rating **    | M                      | Issue No.     | <b>32</b> |
| LM End   | <b>2.74</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.319943 °            | 38.320670 °   |           |
|  |                         |              | -121.590737 °          | -121.590802 ° |           |
| DWR ID   | DWR_RD0999_03_s_2012_32 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

|   |  |  |
|---|--|--|
| <p><b>* Location</b><br/>                 LS : Land Side<br/>                 WS : Water Side<br/>                 CR : Crown</p> | <p><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 &amp; Maintain</p> | <p><b>+ Issue Type</b><br/>                 Ma : Maintenance Deficiency<br/>                 Ob : Design &amp; System Obsolescence<br/>                 En : Enforcement</p> |
|---|--|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|---------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough | Right | 3.74       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>2.70</b>             | Rating **    | U  | Issue No.              | <b>16</b>     |
| LM End          | <b>2.72</b>             | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Vegetation              |              |    | 38.320105 °            | 38.320340 °   |
|                 |                         |              |    | -121.590765 °          | -121.590730 ° |
| DWR ID          | DWR_RD0999_03_s_2012_16 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Landscaping     |                         |              |    |                        |               |

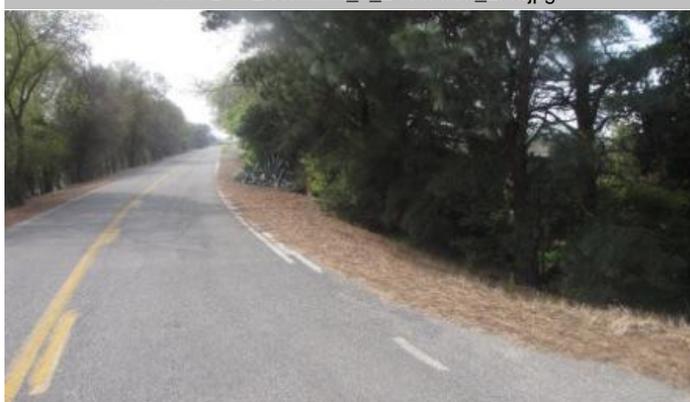
Photo 1 of 2 : richard\_s\_20140310\_255.jpg



Looking northwest at landscaping and dense veg. on landside slope and toe.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>2.70</b> | Rating **    | U  | Issue No.  | <b>16 (cont)</b> |
| LM End   | <b>2.72</b> | Issue Type + | En | Location * | LS               |

Photo 2 of 2 : richard\_s\_20140310\_256.jpg



Looking south at landscaping and dense veg. on landside slope and toe.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>2.79</b>             | Rating **    | M  | Issue No.              | <b>28</b>     |
| LM End  | <b>2.95</b>             | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Trim / Thin Trees       |              |    | 38.321244 °            | 38.323362 °   |
|   |                         |              |    | -121.590969 °          | -121.590208 ° |
| DWR ID  | DWR_RD0999_03_s_2012_28 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Trim and thin trees to allow visibility of the ground and room to flood |                         |              |    |                        |               |

No Photos

|                   |
|-------------------|
| <b>* Location</b> |
| LS : Land Side    |
| WS : Water Side   |
| CR : Crown        |

|                          |   |
|--------------------------|---|
| <b>** Rating</b>         |   |
| A : Acceptable           | N : Not Inspected/Rated                 |
| M : Minimally Acceptable | C : Corrected                           |
| U : Unacceptable         | A/W : Acceptable but Monitor & Maintain |

|                                   |
|-----------------------------------|
| <b>+ Issue Type</b>               |
| Ma : Maintenance Deficiency       |
| Ob : Design & System Obsolescence |
| En : Enforcement                  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|---------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough | Right | 3.74       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>2.79</b>          | Rating **    | M  | Issue No.              | <b>35</b>     |
| LM End  | <b>2.79</b>          | Issue Type + | Ma | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | USACE Erosion Survey |              |    | 38.322457 °            | 38.323042 °   |
|   |                      |              |    | -121.590693 °          | -121.590209 ° |
| DWR ID  |                      |              |    |                        |               |
| Action/Comments   |                      |              |    |                        |               |
| Inspector Comments: 2012 - Slumping of upper levee slope. 2013: No observed changes. [2013 Site ID: STR_27-1_R] |                      |              |    |                        |               |

Photo 1 of 1 : USACE2013A\_STR\_27-1\_R\_2.jpg



USACE 2013 Photo #1

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>2.89</b>             | Rating **    | M  | Issue No.              | <b>42</b>     |
| LM End   | <b>2.89</b>             | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental            |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study    |              |    | 38.322652 °            | 38.322652 °   |
|  |                         |              |    | -121.590841 °          | -121.590841 ° |
| DWR ID   | DWR_RD0999_03_s_2014_42 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| Inspector Comments: FS_ID:15406<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: This pipe is abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: *Abandoned* 16-inch pipe through levee 9.3 feet below crown. Pump and gate valve in pump house on the landward slope. Originally included in the 1966 O&M manual.<br>FS Date: 6/27/2013 |                         |              |    |                        |               |

Photo 1 of 1 : UCIP\_1309.jpg



Pumphouse on LS toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                  |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|---------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough |  | Right | 3.74       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>2.89</b>             | Rating **    | M                      | Issue No.     | <b>10</b> |
| LM End  | <b>2.89</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.322757 °            | 38.322757 °   |           |
|   |                         |              | -121.590817 °          | -121.590817 ° |           |
| DWR ID  | DWR_RD0999_03_f_2012_10 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Remove the wild growth other than native grasses from the levee slopes.<br>Inspector Comments: Wild growth at landside slope and toe. |                         |              |                        |               |           |

Photo 1 of 2 : richard\_s\_20140310\_252.jpg



Looking northwest at dense vegetation at landside slope and toe.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>2.89</b> | Rating **    | M  | Issue No.  | <b>10 (cont)</b> |
| LM End   | <b>2.89</b> | Issue Type + | Ma | Location * | LS               |

Photo 2 of 2 : richard\_s\_20140310\_253.jpg



Looking west at dense trees on landside toe.

|  |                      |              |                        |               |           |
|--|----------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>2.98</b>          | Rating **    | M                      | Issue No.     | <b>47</b> |
| LM End   | <b>2.98</b>          | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Supplemental         |              | GPS Latitude/Longitude |               |           |
|  |                      |              | Start                  | End           |           |
| Item   | USACE Erosion Survey |              | 38.323667 °            | 38.325592 °   |           |
|  |                      |              | -121.588226 °          | -121.585925 ° |           |
| DWR ID   |                      |              |                        |               |           |
| Action/Comments  |                      |              |                        |               |           |
| Inspector Comments: 2011 - Multiple erosion pockets. Some likely |                      |              |                        |               |           |

Photo 1 of 1 : USACE2013A\_STR\_27-3\_R\_10.jpg



USACE 2013 Photo #1

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                  |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|---------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough |  | Right | 3.74       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>3.00</b>             | Rating **    | A/W                    | Issue No.     | <b>18</b> |
| LM End          | <b>3.00</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.323712 °            | 38.323712 °   |           |
|                 |                         |              | -121.589255 °          | -121.589255 ° |           |
| DWR ID          | DWR_RD0999_03_s_2012_18 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Prunings        |                         |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>3.02</b>             | Rating **    | M                      | Issue No.     | <b>31</b> |
| LM End   | <b>3.27</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.323770 °            | 38.326061 °   |           |
|  |                         |              | -121.589035 °          | -121.586028 ° |           |
| DWR ID   | DWR_RD0999_03_s_2012_31 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                         |              |                        |               |           |

No Photos

|   |                         |              |                        |            |           |
|---|-------------------------|--------------|------------------------|------------|-----------|
| LM Start  | <b>3.16</b>             | Rating **    | M                      | Issue No.  | <b>38</b> |
| LM End  | <b>3.16</b>             | Issue Type + | En                     | Location * | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |            |           |
|   |                         |              | Start                  | End        |           |
| Item  | Encroachments           |              |                        |            |           |
|   |                         |              |                        |            |           |
| DWR ID  | DWR_RD0999_03_f_2013_38 |              |                        |            |           |
| Action/Comments   |                         |              |                        |            |           |
| Tree or limb<br>Inspector Comments: Broken tree limb on landward slope. |                         |              |                        |            |           |

Photo 1 of 1 : richard\_s\_20140310\_277.jpg



Looking southwest at broken tree limb on landward slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|---------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough | Right | 3.74       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>3.23</b>             | Rating **    | A/W                    | Issue No.     | <b>19</b> |
| LM End   | <b>3.23</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.325534 °            | 38.325534 °   |           |
|  |                         |              | -121.586273 °          | -121.586273 ° |           |
| DWR ID   | DWR_RD0999_03_s_2012_19 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>3.72</b>             | Rating **    | M                      | Issue No.     | <b>22</b> |
| LM End          | <b>3.73</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Vegetation              |              | 38.332017 °            | 38.332200 °   |           |
|                 |                         |              | -121.584807 °          | -121.584677 ° |           |
| DWR ID          | DWR_RD0999_03_s_2012_22 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Landscaping     |                         |              |                        |               |           |

Photo 1 of 2 : richard\_s\_20140310\_258.jpg



Looking northwest at landscaping on landside slope and toe. (Spring 2011)

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.72</b> | Rating **    | M  | Issue No.  | <b>22 (cont)</b> |
| LM End   | <b>3.73</b> | Issue Type + | En | Location * | LS               |

Photo 2 of 2 : richard\_s\_20140310\_259.jpg



Looking southwest at trimmed landscaping on landside slope, but still blocking levee slope.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side<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**

**Unit Cover Sheet**

**Spring 2014 Levee Inspection Results**

**Reclamation District No. 0999 Netherlands**

|                              |  |       |            |
|------------------------------|--|-------|------------|
| Waterway                     |  | Bank  | Unit Miles |
| Unit No. 04 Sacramento River |  | Right | 1.22       |

|  | Spring<br>(March - May) | Summer<br>(June - August) | (September - November)<br>Fall | Winter<br>(December - February) |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit Maintenance Rating<br>(Fall Only) |                         |                           |                                |                                 |
| Date of Inspection                     | 03/13/2014 - 03/13/2014 |                           |                                |                                 |
| DWR Inspector                          | Richard Willoughby      |                           |                                |                                 |
| Accompanied By                         |                         |                           |                                |                                 |

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 04 Sacramento River | Right | 1.22       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>0.01</b>          | Rating **    | M  | Issue No.              | <b>8</b>      |
| LM End  | <b>0.01</b>          | Issue Type + | Ma | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | USACE Erosion Survey |              |    | 38.414387 °            | 38.417692 °   |
|   |                      |              |    | -121.522871 °          | -121.525083 ° |
| DWR ID  |                      |              |    |                        |               |
| <b>Action/Comments</b>  |                      |              |    |                        |               |
| Inspector Comments: 1997 - Structural problem rather than erosional, failed cobble at downstream end. 2005 - New brush boxes at waterline for several hundred feet downstream, No toe or bank protection present. 2006 - Some minor new erosion. Brush boxes not working well; most of the brush has floated out. 2007 - Brush boxes have recently been repaired. 2013: No observed changes. [2013 Site ID: SAC_41-9_R] |                      |              |    |                        |               |

Photo 1 of 1 : USACE2013A\_SAC\_41-9\_R\_14.jpg



USACE 2013 Photo #1

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>0.05</b>             | Rating **    | M  | Issue No.              | <b>15</b>     |
| LM End   | <b>0.05</b>             | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Trim / Thin Trees       |              |    | 38.414642 °            | 38.414642 °   |
|  |                         |              |    | -121.523430 °          | -121.523430 ° |
| DWR ID   | DWR_RD0999_04_s_2012_15 |              |    |                        |               |
| <b>Action/Comments</b>                               |                         |              |    |                        |               |
| Trim trees to at least five feet above ground level. |                         |              |    |                        |               |

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                     |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 04 Sacramento River |  | Right | 1.22       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>0.05</b>             | Rating **    | M                      | Issue No.     | <b>35</b> |
| LM End  | <b>1.22</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.414647 °            | 38.429708 °   |           |
|   |                         |              | -121.523445 °          | -121.533167 ° |           |
| DWR ID  | DWR_RD0999_04_s_2014_35 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Control annual grass and weeds on the levee slopes and easements. |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140314\_467.jpg



Looking north at typical view of landside slope.

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>0.05</b>             | Rating **    | M                      | Issue No.     | <b>36</b> |
| LM End  | <b>1.22</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.414649 °            | 38.429716 °   |           |
|   |                         |              | -121.523444 °          | -121.533169 ° |           |
| DWR ID  | DWR_RD0999_04_s_2014_36 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Control annual grass and weeds on the levee slopes and easements. |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140314\_468.jpg



Looking south at typical view of waterside slope.

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>0.05</b>             | Rating **    | M                      | Issue No.     | <b>13</b> |
| LM End          | <b>0.11</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.414672 °            | 38.415468 °   |           |
|                 |                         |              | -121.523527 °          | -121.524037 ° |           |
| DWR ID          | DWR_RD0999_04_s_2012_13 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Fence           |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140310\_295.jpg



Cyclone fence along landside shoulder at LM 0.05 -0.11

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 04 Sacramento River | Right | 1.22       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>0.07</b>             | Rating **    | M  | Issue No.              | <b>23</b>     |
| LM End   | <b>0.07</b>             | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental            |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study    |              |    | 38.414881 °            | 38.414881 °   |
|  |                         |              |    | -121.523682 °          | -121.523682 ° |
| DWR ID   | DWR_RD0999_04_s_2014_23 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| Inspector Comments: FS_ID:15709<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: 2-inch pipe through levee 4.5 feet below crown. Concrete blocks for missing Pump and pressure system visible on WS slope. 8-inch steel standpipe on WS toe with remnants of 2-inch pipe visible at top. Pipe visible at concrete foundation on LS shoulder. Originally included in the 1966 O&M manual.<br>FS Date: 7/12/2013 |                         |              |    |                        |               |

Photo 1 of 1 : UCIP\_1378.jpg



Pipe visible at top of steel standpipe. Foundation for pump station visible on WS slope.

|                 |                        |              |     |                        |               |
|-----------------|------------------------|--------------|-----|------------------------|---------------|
| LM Start        | <b>0.14</b>            | Rating **    | A/W | Issue No.              | <b>4</b>      |
| LM End          | <b>0.14</b>            | Issue Type + | En  | Location *             | WS            |
| Category        | Earthen Levee          |              |     | GPS Latitude/Longitude |               |
|                 |                        |              |     | Start                  | End           |
| Item            | Encroachments          |              |     | 38.415843 °            | 38.415843 °   |
|                 |                        |              |     | -121.524163 °          | -121.524163 ° |
| DWR ID          | DWR_RD0999_04_s_2012_4 |              |     |                        |               |
| Action/Comments |                        |              |     |                        |               |
| Prunings        |                        |              |     |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                     |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 04 Sacramento River |  | Right | 1.22       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>0.19</b>             | Rating **    | M                      | Issue No.     | <b>24</b> |
| LM End   | <b>0.21</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.416518 °            | 38.416808 °   |           |
|  |                         |              | -121.524502 °          | -121.524767 ° |           |
| DWR ID   | DWR_RD0999_04_s_2012_24 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                         |              |                        |               |           |

No Photos

|                 |                         |              |                        |            |           |
|-----------------|-------------------------|--------------|------------------------|------------|-----------|
| LM Start        | <b>0.28</b>             | Rating **    | M                      | Issue No.  | <b>20</b> |
| LM End          | <b>0.30</b>             | Issue Type + | En                     | Location * | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |            |           |
|                 |                         |              | Start                  | End        |           |
| Item            | Vegetation              |              |                        |            |           |
|                 |                         |              |                        |            |           |
| DWR ID          | DWR_RD0999_04_f_2013_20 |              |                        |            |           |
| Action/Comments |                         |              |                        |            |           |
| Landscaping     |                         |              |                        |            |           |

Photo 1 of 1 : richard\_s\_20140310\_298.jpg



Looking west at dense landscaping on landward slope.

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>0.31</b>             | Rating **    | U                      | Issue No.     | <b>12</b> |
| LM End          | <b>0.35</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Vegetation              |              | 38.418002 °            | 38.418470 °   |           |
|                 |                         |              | -121.525712 °          | -121.526002 ° |           |
| DWR ID          | DWR_RD0999_04_s_2012_12 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Landscaping     |                         |              |                        |               |           |

Photo 1 of 2 : richard\_s\_20140310\_293.jpg



Looking northwest at dense veg. on landside shoulder and slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                     |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 04 Sacramento River |  | Right | 1.22       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                         |              |                        |               |                  |
|-----------------|-------------------------|--------------|------------------------|---------------|------------------|
| LM Start        | <b>0.31</b>             | Rating **    | U                      | Issue No.     | <b>12 (cont)</b> |
| LM End          | <b>0.35</b>             | Issue Type + | En                     | Location *    | LS               |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |                  |
|                 |                         |              | Start                  | End           |                  |
| Item            | Vegetation              |              | 38.418002 °            | 38.418470 °   |                  |
|                 |                         |              | -121.525712 °          | -121.526002 ° |                  |
| DWR ID          | DWR_RD0999_04_s_2012_12 |              |                        |               |                  |
| Action/Comments |                         |              |                        |               |                  |
| Landscaping     |                         |              |                        |               |                  |

Photo 2 of 2 : richard\_s\_20140310\_294.jpg



Looking west at dense veg. on landside slope and toe.

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>0.37</b>             | Rating **    | M                      | Issue No.     | <b>11</b> |
| LM End          | <b>0.48</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Vegetation              |              | 38.418838 °            | 38.420237 °   |           |
|                 |                         |              | -121.526225 °          | -121.527193 ° |           |
| DWR ID          | DWR_RD0999_04_s_2012_11 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Landscaping     |                         |              |                        |               |           |

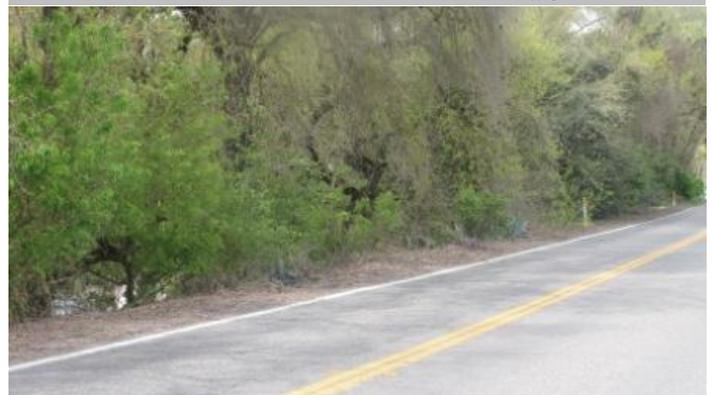
Photo 1 of 1 : richard\_s\_20140310\_292.jpg



Looking west at century plants on landside shoulder and slope.

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>0.37</b>             | Rating **    | M                      | Issue No.     | <b>10</b> |
| LM End   | <b>0.50</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.418838 °            | 38.420447 °   |           |
|  |                         |              | -121.526225 °          | -121.527380 ° |           |
| DWR ID   | DWR_RD0999_04_s_2012_10 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

Photo 1 of 2 : richard\_s\_20140310\_290.jpg



Looking west at dense trees on waterside slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                     |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 04 Sacramento River |  | Right | 1.22       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |                  |
|--|-------------------------|--------------|------------------------|---------------|------------------|
| LM Start   | <b>0.37</b>             | Rating **    | M                      | Issue No.     | <b>10 (cont)</b> |
| LM End   | <b>0.50</b>             | Issue Type + | Ma                     | Location *    | LS               |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |                  |
|  |                         |              | Start                  | End           |                  |
| Item   | Trim / Thin Trees       |              | 38.418838 °            | 38.420447 °   |                  |
|  |                         |              | -121.526225 °          | -121.527380 ° |                  |
| DWR ID   | DWR_RD0999_04_s_2012_10 |              |                        |               |                  |
| Action/Comments                                      |                         |              |                        |               |                  |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |                  |

Photo 2 of 2 : richard\_s\_20140310\_291.jpg



Looking northwest at dense trees on landside slope and toe.

|                 |                        |              |                        |               |          |
|-----------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start        | <b>0.39</b>            | Rating **    | M                      | Issue No.     | <b>1</b> |
| LM End          | <b>0.47</b>            | Issue Type + | En                     | Location *    | WS       |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                 |                        |              | Start                  | End           |          |
| Item            | Vegetation             |              | 38.419137 °            | 38.420078 °   |          |
|                 |                        |              | -121.526280 °          | -121.526913 ° |          |
| DWR ID          | DWR_RD0999_04_s_2012_1 |              |                        |               |          |
| Action/Comments |                        |              |                        |               |          |
| Landscaping     |                        |              |                        |               |          |

Photo 1 of 1 : richard\_s\_20140310\_282.jpg



Looking north at rose bushes on waterside slope.

|   |                         |              |                        |            |           |
|---|-------------------------|--------------|------------------------|------------|-----------|
| LM Start  | <b>0.60</b>             | Rating **    | M                      | Issue No.  | <b>21</b> |
| LM End  | <b>0.60</b>             | Issue Type + | Ma                     | Location * | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |            |           |
|   |                         |              | Start                  | End        |           |
| Item  | Encroachments           |              |                        |            |           |
|   |                         |              |                        |            |           |
| DWR ID  | DWR_RD0999_04_f_2013_21 |              |                        |            |           |
| Action/Comments   |                         |              |                        |            |           |
| Tree or limb<br>Inspector Comments: Downed tree on landward toe and berm. |                         |              |                        |            |           |

Photo 1 of 1 : richard\_s\_20140310\_299.jpg



Looking west at dead tree on landward toe and berm.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 04 Sacramento River | Right | 1.22       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>0.62</b>             | Rating **    | N  | Issue No.              | <b>19</b>     |
| LM End          | <b>0.62</b>             | Issue Type + | Ma | Location *             | LS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Trim / Thin Trees       |              |    | 38.421997 °            | 38.421997 °   |
|                 |                         |              |    | -121.528470 °          | -121.528470 ° |
| DWR ID          | DWR_RD0999_04_s_2012_19 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Tree stumps.    |                         |              |    |                        |               |

No Photos

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>0.65</b>             | Rating **    | N  | Issue No.              | <b>18</b>     |
| LM End          | <b>0.65</b>             | Issue Type + | Ma | Location *             | LS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Trim / Thin Trees       |              |    | 38.422377 °            | 38.422377 °   |
|                 |                         |              |    | -121.528792 °          | -121.528792 ° |
| DWR ID          | DWR_RD0999_04_s_2012_18 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Tree stumps.    |                         |              |    |                        |               |

No Photos

|  |                        |              |     |                        |               |
|--|------------------------|--------------|-----|------------------------|---------------|
| LM Start   | <b>0.66</b>            | Rating **    | A/W | Issue No.              | <b>7</b>      |
| LM End   | <b>0.71</b>            | Issue Type + | Ma  | Location *             | LS            |
| Category   | Earthen Levee          |              |     | GPS Latitude/Longitude |               |
|  |                        |              |     | Start                  | End           |
| Item   | Trim / Thin Trees      |              |     | 38.422517 °            | 38.423133 °   |
|  |                        |              |     | -121.528858 °          | -121.529210 ° |
| DWR ID   | DWR_RD0999_04_s_2012_7 |              |     |                        |               |
| Action/Comments                                      |                        |              |     |                        |               |
| Trim trees to at least five feet above ground level. |                        |              |     |                        |               |

No Photos

|                   |
|-------------------|
| <b>* Location</b> |
| LS : Land Side    |
| WS : Water Side   |
| CR : Crown        |

|                          |   |
|--------------------------|---|
| <b>** Rating</b>         |   |
| A : Acceptable           | N : Not Inspected/Rated                 |
| M : Minimally Acceptable | C : Corrected                           |
| U : Unacceptable         | A/W : Acceptable but Monitor & Maintain |

|                                   |
|-----------------------------------|
| <b>+ Issue Type</b>               |
| Ma : Maintenance Deficiency       |
| Ob : Design & System Obsolescence |
| En : Enforcement                  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 04 Sacramento River | Right | 1.22       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                        |              |     |                        |               |
|--|------------------------|--------------|-----|------------------------|---------------|
| LM Start   | <b>0.71</b>            | Rating **    | A/W | Issue No.              | <b>6</b>      |
| LM End   | <b>0.87</b>            | Issue Type + | Ma  | Location *             | LS            |
| Category   | Earthen Levee          |              |     | GPS Latitude/Longitude |               |
|  |                        |              |     | Start                  | End           |
| Item   | Trim / Thin Trees      |              |     | 38.423035 °            | 38.425140 °   |
|  |                        |              |     | -121.529255 °          | -121.530742 ° |
| DWR ID   | DWR_RD0999_04_s_2012_6 |              |     |                        |               |
| Action/Comments                                      |                        |              |     |                        |               |
| Trim trees to at least five feet above ground level. |                        |              |     |                        |               |

Photo 1 of 2 : richard\_s\_20140310\_285.jpg



Looking south at trimmed trees on landside slope and removed fence.

|          |             |              |     |            |                 |
|----------|-------------|--------------|-----|------------|-----------------|
| LM Start | <b>0.71</b> | Rating **    | A/W | Issue No.  | <b>6 (cont)</b> |
| LM End   | <b>0.87</b> | Issue Type + | Ma  | Location * | LS              |

Photo 2 of 2 : richard\_s\_20140310\_286.jpg



Looking north at trimmed trees and removed fence on landside slope.

|                                 |                         |              |    |                        |               |
|---------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start                        | <b>0.71</b>             | Rating **    | M  | Issue No.              | <b>25</b>     |
| LM End                          | <b>0.71</b>             | Issue Type + | En | Location *             | LS            |
| Category                        | Supplemental            |              |    | GPS Latitude/Longitude |               |
|                                 |                         |              |    | Start                  | End           |
| Item                            | DWR UCIP Field Study    |              |    | 38.423062 °            | 38.423062 °   |
|                                 |                         |              |    | -121.529241 °          | -121.529241 ° |
| DWR ID                          | DWR_RD0999_04_s_2014_25 |              |    |                        |               |
| Action/Comments                 |                         |              |    |                        |               |
| Inspector Comments: FS_ID:15712 |                         |              |    |                        |               |

Photo 1 of 1 : UCIP\_1382.jpg



Gate valve on LS toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                     |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 04 Sacramento River |  | Right | 1.22       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>0.74</b>             | Rating **    | M  | Issue No.              | <b>26</b>     |
| LM End   | <b>0.74</b>             | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental            |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study    |              |    | 38.423418 °            | 38.423418 °   |
|  |                         |              |    | -121.529486 °          | -121.529486 ° |
| DWR ID   | DWR_RD0999_04_s_2014_26 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| Inspector Comments: FS_ID:15725<br>EP_NO: 10514<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe appears abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: 1 of 3: 3.5-inch discharge pipe through the levee 3.8 feet below the crown. Siphon breaker at headwall on the waterward slope. (Permit No. 10514, 1974)<br>FS Date: 7/12/2013 |                         |              |    |                        |               |

Photo 1 of 1 : UCIP\_1387.jpg



Discharge pipe at concrete pad then down slope to water.

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>0.75</b>             | Rating **    | N  | Issue No.              | <b>17</b>     |
| LM End          | <b>0.75</b>             | Issue Type + | Ma | Location *             | LS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Trim / Thin Trees       |              |    | 38.423560 °            | 38.423560 °   |
|                 |                         |              |    | -121.529653 °          | -121.529653 ° |
| DWR ID          | DWR_RD0999_04_s_2012_17 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Tree stumps.    |                         |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 04 Sacramento River | Right | 1.22       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>0.81</b>             | Rating **    | M  | Issue No.              | <b>27</b>     |
| LM End  | <b>0.81</b>             | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental            |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study    |              |    | 38.424399 °            | 38.424399 °   |
|   |                         |              |    | -121.530178 °          | -121.530178 ° |
| DWR ID  | DWR_RD0999_04_s_2014_27 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Inspector Comments: FS_ID:16389<br>EP_NO: 1624<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee 3.0 feet below the crown. Pump and pile structure removed from waterside toe. Steel plate welded over WS end (Permit No. 1624, 1959). Replaces an existing facility north of this location.<br>FS Date: 7/12/2013 |                         |              |    |                        |               |

Photo 1 of 1 : UCIP\_1499.jpg



Pipe and vent/siphon breaker on LS slope.

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>0.82</b>             | Rating **    | N  | Issue No.              | <b>14</b>     |
| LM End          | <b>0.82</b>             | Issue Type + | Ma | Location *             | LS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Trim / Thin Trees       |              |    | 38.424432 °            | 38.424432 °   |
|                 |                         |              |    | -121.530265 °          | -121.530265 ° |
| DWR ID          | DWR_RD0999_04_s_2012_14 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Tree stumps.    |                         |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 04 Sacramento River | Right | 1.22       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                        |              |    |                        |               |
|-----------------|------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>0.83</b>            | Rating **    | N  | Issue No.              | <b>9</b>      |
| LM End          | <b>0.83</b>            | Issue Type + | Ma | Location *             | LS            |
| Category        | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|                 |                        |              |    | Start                  | End           |
| Item            | Trim / Thin Trees      |              |    | 38.424722 °            | 38.424722 °   |
|                 |                        |              |    | -121.530470 °          | -121.530470 ° |
| DWR ID          | DWR_RD0999_04_s_2012_9 |              |    |                        |               |
| Action/Comments |                        |              |    |                        |               |
| Tree stumps.    |                        |              |    |                        |               |

No Photos

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>0.90</b>             | Rating **    | M  | Issue No.              | <b>28</b>     |
| LM End  | <b>0.90</b>             | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental            |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study    |              |    | 38.425514 °            | 38.425514 °   |
|   |                         |              |    | -121.530970 °          | -121.530970 ° |
| DWR ID  | DWR_RD0999_04_s_2014_28 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Inspector Comments: FS_ID:15733<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: 4 of 6: *Abandoned* 3.5-inch pipe through levee 2.5 feet below crown. Pipe visible in concrete well on LS and WS shoulder.<br>FS Date: 7/12/2013 |                         |              |    |                        |               |

No Photos

| * Location      |
|-----------------|
| LS : Land Side  |
| WS : Water Side |
| CR : Crown      |

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 04 Sacramento River | Right | 1.22       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>0.90</b>             | Rating **    | M  | Issue No.              | <b>29</b>     |
| LM End  | <b>0.90</b>             | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental            |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study    |              |    | 38.425514 °            | 38.425514 °   |
|   |                         |              |    | -121.530970 °          | -121.530970 ° |
| DWR ID  | DWR_RD0999_04_s_2014_29 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Inspector Comments: FS_ID:15728<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: 2 of 6: *Abandoned* 3.5-inch pipe through levee 2.5 feet below crown. Pipe visible in concrete well on LS shoulder and likely in covered concrete well on WS shoulder.<br>FS Date: 7/12/2013 |                         |              |    |                        |               |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>0.90</b>             | Rating **    | M  | Issue No.              | <b>30</b>     |
| LM End   | <b>0.90</b>             | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental            |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study    |              |    | 38.425514 °            | 38.425514 °   |
|  |                         |              |    | -121.530970 °          | -121.530970 ° |
| DWR ID   | DWR_RD0999_04_s_2014_30 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| Inspector Comments: FS_ID:15727<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipes abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: 1 of 6: *Abandoned* 3.5-inch pipe through levee 2.5 feet below crown. Pipes visible in concrete well on LS shoulder. Concrete well on WS shoulder is visible, but access is covered with soil.<br>FS Date: 7/12/2013 |                         |              |    |                        |               |

No Photos

|  |
|--|
| <b>* Location</b><br>LS : Land Side<br>WS : Water Side<br>CR : Crown |
|--|

|  |  |
|--|--|
| <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | <b>N</b> : Not Inspected/Rated<br><b>C</b> : Corrected<br><b>A/W</b> : Acceptable but Monitor & Maintain |
|--|--|

|   |
|---|
| <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                     |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 04 Sacramento River |  | Right | 1.22       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>0.90</b>             | Rating **    | M  | Issue No.              | <b>31</b>     |
| LM End   | <b>0.90</b>             | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental            |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study    |              |    | 38.425514 °            | 38.425514 °   |
|  |                         |              |    | -121.530970 °          | -121.530970 ° |
| DWR ID   | DWR_RD0999_04_s_2014_31 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| Inspector Comments: FS_ID:16386<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: 6 of 6: *Abandoned* 3.5-inch pipe through levee 2.5 feet below crown. Pipe visible in concrete well on LS shoulder.<br>FS Date: 7/12/2013 |                         |              |    |                        |               |

Photo 1 of 1 : UCIP\_1494.jpg



Pipes visible in concrete well on LS shoulder.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>0.90</b>             | Rating **    | M  | Issue No.              | <b>32</b>     |
| LM End  | <b>0.90</b>             | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental            |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study    |              |    | 38.425514 °            | 38.425514 °   |
|   |                         |              |    | -121.530970 °          | -121.530970 ° |
| DWR ID  | DWR_RD0999_04_s_2014_32 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Inspector Comments: FS_ID:16385<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: 5 of 6: *Abandoned* 3.5-inch pipe through levee 2.5 feet below crown. Visible in concrete well on LS shoulder.<br>FS Date: 7/12/2013 |                         |              |    |                        |               |

No Photos

|                   |
|-------------------|
| <b>* Location</b> |
| LS : Land Side    |
| WS : Water Side   |
| CR : Crown        |

|                          |   |
|--------------------------|---|
| <b>** Rating</b>         |   |
| A : Acceptable           | N : Not Inspected/Rated                 |
| M : Minimally Acceptable | C : Corrected                           |
| U : Unacceptable         | A/W : Acceptable but Monitor & Maintain |

|                                   |
|-----------------------------------|
| <b>+ Issue Type</b>               |
| Ma : Maintenance Deficiency       |
| Ob : Design & System Obsolescence |
| En : Enforcement                  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 04 Sacramento River | Right | 1.22       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>0.90</b>             | Rating **    | M  | Issue No.              | <b>33</b>     |
| LM End   | <b>0.90</b>             | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental            |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study    |              |    | 38.425514 °            | 38.425514 °   |
|  |                         |              |    | -121.530970 °          | -121.530970 ° |
| DWR ID   | DWR_RD0999_04_s_2014_33 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| Inspector Comments: FS_ID:16384<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: 3 of 6: *Abandoned* 3.5-inch pipe through levee 2.5 feet below crown. Pipe visible in concrete well on LS and WS shoulders.<br>FS Date: 7/12/2013 |                         |              |    |                        |               |

No Photos

|  |                        |              |     |                        |               |
|--|------------------------|--------------|-----|------------------------|---------------|
| LM Start   | <b>0.91</b>            | Rating **    | A/W | Issue No.              | <b>2</b>      |
| LM End   | <b>0.91</b>            | Issue Type + | En  | Location *             | LS            |
| Category   | Earthen Levee          |              |     | GPS Latitude/Longitude |               |
|  |                        |              |     | Start                  | End           |
| Item   | Trim / Thin Trees      |              |     | 38.425607 °            | 38.425607 °   |
|  |                        |              |     | -121.530937 °          | -121.530937 ° |
| DWR ID   | DWR_RD0999_04_s_2012_2 |              |     |                        |               |
| Action/Comments                                      |                        |              |     |                        |               |
| Trim trees to at least five feet above ground level. |                        |              |     |                        |               |

No Photos

|  |                        |              |     |                        |               |
|--|------------------------|--------------|-----|------------------------|---------------|
| LM Start   | <b>0.94</b>            | Rating **    | A/W | Issue No.              | <b>3</b>      |
| LM End   | <b>0.97</b>            | Issue Type + | En  | Location *             | WS            |
| Category   | Earthen Levee          |              |     | GPS Latitude/Longitude |               |
|  |                        |              |     | Start                  | End           |
| Item   | Trim / Thin Trees      |              |     | 38.425972 °            | 38.426500 °   |
|  |                        |              |     | -121.531228 °          | -121.531560 ° |
| DWR ID   | DWR_RD0999_04_s_2012_3 |              |     |                        |               |
| Action/Comments                                      |                        |              |     |                        |               |
| Trim trees to at least five feet above ground level. |                        |              |     |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 04 Sacramento River | Right | 1.22       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>1.00</b>             | Rating **    | M  | Issue No.              | <b>34</b>     |
| LM End   | <b>1.00</b>             | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental            |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study    |              |    | 38.426709 °            | 38.426709 °   |
|  |                         |              |    | -121.531725 °          | -121.531725 ° |
| DWR ID   | DWR_RD0999_04_s_2014_34 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| Inspector Comments: FS_ID:16387<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe appears abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: 24-inch pipe through the levee 13.0 feet below the crown. Pipe measures 16-inches in diameter on WS and 24-inches on the LS toe. Gate valve in 9'X18' concrete well on the waterward slope. Slant pump missing from waterward slope. Concrete distribution house/box at LS toe. 1.5-inch galvanized iron electrical conduit at same location. Originally included in the 1966 O&M manual.<br>FS Date: 7/12/2013 |                         |              |    |                        |               |

Photo 1 of 1 : UCIP\_1497.jpg



Slide gate in 9'X18' concrete box on WS slope.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>1.04</b>             | Rating **    | M  | Issue No.              | <b>16</b>     |
| LM End  | <b>1.04</b>             | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Vegetation              |              |    | 38.427295 °            | 38.427295 °   |
|   |                         |              |    | -121.532164 °          | -121.532164 ° |
| DWR ID  | DWR_RD0999_04_f_2012_16 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |

Photo 1 of 2 : richard\_s\_20140310\_296.jpg



Looking south at dense berryvines on landside toe. 2012

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 04 Sacramento River | Right | 1.22       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |    |                        |                  |
|---|-------------------------|--------------|----|------------------------|------------------|
| LM Start  | <b>1.04</b>             | Rating **    | M  | Issue No.              | <b>16 (cont)</b> |
| LM End  | <b>1.04</b>             | Issue Type + | Ma | Location *             | LS               |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |                  |
|   |                         |              |    | Start                  | End              |
| Item  | Vegetation              |              |    | 38.427295 °            | 38.427295 °      |
|   |                         |              |    | -121.532164 °          | -121.532164 °    |
| DWR ID  | DWR_RD0999_04_f_2012_16 |              |    |                        |                  |
| Action/Comments   |                         |              |    |                        |                  |
| Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |                  |

Photo 2 of 2 : richard\_s\_20140310\_297.jpg



Looking southwest at dense berry vines at landward toe. 2013

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>1.15</b>            | Rating **    | M  | Issue No.              | <b>5</b>      |
| LM End   | <b>1.15</b>            | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Vegetation             |              |    | 38.428823 °            | 38.428823 °   |
|  |                        |              |    | -121.532885 °          | -121.532885 ° |
| DWR ID   | DWR_RD0999_04_s_2012_5 |              |    |                        |               |
| Action/Comments  |                        |              |    |                        |               |
| Remove the wild growth other than native grasses from the levee slopes.<br>Inspector Comments: Berry vines and wild roses on landside toe. |                        |              |    |                        |               |

Photo 1 of 2 : richard\_s\_20140310\_283.jpg



Looking northwest at dense wild roses and berry vines on landside toe near ramp.

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>1.15</b> | Rating **    | M  | Issue No.  | <b>5 (cont)</b> |
| LM End   | <b>1.15</b> | Issue Type + | Ma | Location * | LS              |

Photo 2 of 2 : richard\_s\_20140310\_284.jpg



Looking north at dense vegetation on landside slope near ramp.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 04 Sacramento River | Right | 1.22       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |    |                        |           |
|---|-------------------------|--------------|----|------------------------|-----------|
| LM Start  | <b>1.20</b>             | Rating **    | M  | Issue No.              | <b>22</b> |
| LM End  | <b>1.22</b>             | Issue Type + | Ma | Location *             | LS        |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |           |
|   |                         |              |    | Start                  | End       |
| Item  | Trim / Thin Trees       |              |    | o                      | o         |
|   |                         |              |    | o                      | o         |
| DWR ID  | DWR_RD0999_04_f_2013_22 |              |    |                        |           |
| Action/Comments   |                         |              |    |                        |           |
| Trim and thin trees to allow visibility of the ground and room to flood |                         |              |    |                        |           |

Photo 1 of 1 : richard\_s\_20140310\_300.jpg



Looking south at dense trees on landward slope.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side<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**

**Unit Cover Sheet**

**Spring 2014 Levee Inspection Results**

**Reclamation District No. 0999 Netherlands**

|                        |  |       |            |
|------------------------|--|-------|------------|
| Waterway               |  | Bank  | Unit Miles |
| Unit No. 05 Elk Slough |  | Right | 9.66       |

|  | Spring<br>(March - May) | Summer<br>(June - August) | (September - November)<br>Fall | Winter<br>(December - February) |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit Maintenance Rating<br>(Fall Only) |                         |                           |                                |                                 |
| Date of Inspection                     | 03/13/2014 - 03/13/2014 |                           |                                |                                 |
| DWR Inspector                          | Richard Willoughby      |                           |                                |                                 |
| Accompanied By                         |                         |                           |                                |                                 |

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                          |              |                        |               |            |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start  | <b>0.01</b>              | Rating **    | M                      | Issue No.     | <b>190</b> |
| LM End  | <b>9.65</b>              | Issue Type + | Ma                     | Location *    | WS         |
| Category  | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|   |                          |              | Start                  | End           |            |
| Item  | Vegetation               |              | 38.332540 °            | 38.414127 °   |            |
|   |                          |              | -121.584582 °          | -121.523248 ° |            |
| DWR ID  | DWR_RD0999_05_s_2014_190 |              |                        |               |            |
| Action/Comments   |                          |              |                        |               |            |
| Control annual grass and weeds on the levee slopes and easements. |                          |              |                        |               |            |

No Photos

|   |                          |              |                        |               |            |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start  | <b>0.01</b>              | Rating **    | M                      | Issue No.     | <b>189</b> |
| LM End  | <b>9.65</b>              | Issue Type + | Ma                     | Location *    | LS         |
| Category  | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|   |                          |              | Start                  | End           |            |
| Item  | Vegetation               |              | 38.332540 °            | 38.414131 °   |            |
|   |                          |              | -121.584582 °          | -121.523247 ° |            |
| DWR ID  | DWR_RD0999_05_s_2014_189 |              |                        |               |            |
| Action/Comments   |                          |              |                        |               |            |
| Control annual grass and weeds on the levee slopes and easements. |                          |              |                        |               |            |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>0.02</b>          | Rating **    | M  | Issue No.              | <b>94</b>     |
| LM End   | <b>0.02</b>          | Issue Type + | Ob | Location *             | WS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | USACE Erosion Survey |              |    | 38.332643 °            | 38.414157 °   |
|  |                      |              |    | -121.584449 °          | -121.523156 ° |
| DWR ID   |                      |              |    |                        |               |
| Action/Comments  |                      |              |    |                        |               |
| Inspector Comments: 1997 - Most of lower Elk Slough contains high near vertical banks, with erosion into the levee slope. Channel almost appears incised. 2002 - Sites where the levee slope is near vertical and severely eroding. It could fail catastrophically. 2004 - Looks bad in terms of vertical slopes and fallen trees. 2005 - Banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2006 - Both banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2010 - The entire reach is in poor condition, with severely eroding near vertical slopes, needs a regional repair. 2011 - Channel banks are still oversteepened with erosion continuing. 2012 - New cracks and animal holes observed. 2013: Fresh erosion around pump structure. [2013 Site ID: ELK_0-2_R] |                      |              |    |                        |               |

No Photos

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>0.04</b>              | Rating **    | M  | Issue No.              | <b>159</b>    |
| LM End  | <b>0.04</b>              | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental             |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study     |              |    | 38.332875 °            | 38.332875 °   |
|   |                          |              |    | -121.584529 °          | -121.584529 ° |
| DWR ID  | DWR_RD0999_05_s_2014_159 |              |    |                        |               |
| Action/Comments   |                          |              |    |                        |               |
| Inspector Comments: FS_ID:24439<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: *Abandoned* 10-inch pipe through levee 7.7 feet below crown (burned down pump house and valve closed) Service pole on the waterward slope (Unable to locate concrete distribution box 3/91). Originally included in the 1966 O&M manual. Located electromagnetically at this location.<br>FS Date: 6/27/2013 |                          |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough |  | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |            |           |
|--|-------------------------|--------------|------------------------|------------|-----------|
| LM Start   | <b>0.10</b>             | Rating **    | M                      | Issue No.  | <b>72</b> |
| LM End   | <b>0.10</b>             | Issue Type + | Ma                     | Location * | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |            |           |
|  |                         |              | Start                  | End        |           |
| Item   | Trim / Thin Trees       |              |                        | °          | °         |
|  |                         |              |                        | °          | °         |
| DWR ID   | DWR_RD0999_05_f_2013_72 |              |                        |            |           |
| Action/Comments  |                         |              |                        |            |           |
| Trim and thin trees to allow visibility of the ground and room to flood fight.<br>Inspector Comments: Remove small oak trees from landward slope before trees are establish. |                         |              |                        |            |           |

Photo 1 of 1 : richard\_s\_20140310\_353.jpg



Looking west at small oak trees on landward slope.

|                 |                        |              |                        |            |             |
|-----------------|------------------------|--------------|------------------------|------------|-------------|
| LM Start        | <b>0.20</b>            | Rating **    | N                      | Issue No.  | <b>4</b>    |
| LM End          | <b>0.20</b>            | Issue Type + | Ma                     | Location * | LS          |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |            |             |
|                 |                        |              | Start                  | End        |             |
| Item            | Trim / Thin Trees      |              | 38.335209              | °          | 38.335209   |
|                 |                        |              | -121.583966            | °          | -121.583966 |
| DWR ID          | DWR_RD0999_05_s_2012_4 |              |                        |            |             |
| Action/Comments |                        |              |                        |            |             |
| Tree stumps.    |                        |              |                        |            |             |

No Photos

|                   |
|-------------------|
| <b>* Location</b> |
| LS : Land Side    |
| WS : Water Side   |
| CR : Crown        |

|                          |   |
|--------------------------|---|
| <b>** Rating</b>         |   |
| A : Acceptable           | N : Not Inspected/Rated                 |
| M : Minimally Acceptable | C : Corrected                           |
| U : Unacceptable         | A/W : Acceptable but Monitor & Maintain |

|                                   |
|-----------------------------------|
| <b>+ Issue Type</b>               |
| Ma : Maintenance Deficiency       |
| Ob : Design & System Obsolescence |
| En : Enforcement                  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>0.23</b>              | Rating **    | M  | Issue No.              | <b>160</b>    |
| LM End  | <b>0.23</b>              | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental             |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study     |              |    | 38.335568 °            | 38.335568 °   |
|   |                          |              |    | -121.583779 °          | -121.583779 ° |
| DWR ID  | DWR_RD0999_05_s_2014_160 |              |    |                        |               |
| Action/Comments   |                          |              |    |                        |               |
| Inspector Comments: FS_ID:15411<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Walkway to pump on pier is falling appart and should be removed.<br>FIELD_STRUCT_DESC: 12-inch pipe through levee 11.0 feet below crown. 10-inch pipe visible on slopes and at Slant pump on waterward slope (Pump on structure removed). Additional slant pump on WS slope ties into pipe at WS. 30-inch steel standpipe on LS toe. Butterfly valves located on both sides of levee. 3'X3' steel junction box on WS shoulder and a 31"X60" steel junction box on LS shoulder. Service pole on both slopes. Originally included in the 1966 O&M manual.<br>FS Date: 6/27/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1312.jpg



Pump and steel junction box visible on WS slope.

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>0.27</b>            | Rating **    | M  | Issue No.              | <b>1</b>      |
| LM End   | <b>0.32</b>            | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Animal Control         |              |    | 38.336113 °            | 38.336663 °   |
|  |                        |              |    | -121.583418 °          | -121.583027 ° |
| DWR ID   | DWR_RD0999_05_s_2012_1 |              |    |                        |               |
| Action/Comments  |                        |              |    |                        |               |
| Exterminate rodents and backfill and compact or grout burrows. |                        |              |    |                        |               |

No Photos

|  |
|--|
| <b>* Location</b><br>LS : Land Side<br>WS : Water Side<br>CR : Crown |
|--|

|  |  |
|--|--|
| <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | <b>N</b> : Not Inspected/Rated<br><b>C</b> : Corrected<br><b>A/W</b> : Acceptable but Monitor & Maintain |
|--|--|

|   |
|---|
| <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                        |              |                        |               |          |
|-----------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start        | <b>0.35</b>            | Rating **    | N                      | Issue No.     | <b>5</b> |
| LM End          | <b>0.35</b>            | Issue Type + | Ma                     | Location *    | LS       |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                 |                        |              | Start                  | End           |          |
| Item            | Trim / Thin Trees      |              | 38.337089 °            | 38.337089 °   |          |
|                 |                        |              | -121.582756 °          | -121.582756 ° |          |
| DWR ID          | DWR_RD0999_05_s_2012_5 |              |                        |               |          |
| Action/Comments |                        |              |                        |               |          |
| Tree stumps.    |                        |              |                        |               |          |

No Photos

|  |                        |              |                        |               |          |
|--|------------------------|--------------|------------------------|---------------|----------|
| LM Start   | <b>0.40</b>            | Rating **    | M                      | Issue No.     | <b>8</b> |
| LM End   | <b>0.48</b>            | Issue Type + | En                     | Location *    | LS       |
| Category   | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|  |                        |              | Start                  | End           |          |
| Item   | Trim / Thin Trees      |              | 38.337654 °            | 38.338790 °   |          |
|  |                        |              | -121.582427 °          | -121.582184 ° |          |
| DWR ID   | DWR_RD0999_05_s_2012_8 |              |                        |               |          |
| Action/Comments  |                        |              |                        |               |          |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                        |              |                        |               |          |



Looking north at dense vegetation on landside slope and toe.

|  |                        |              |                        |               |          |
|--|------------------------|--------------|------------------------|---------------|----------|
| LM Start   | <b>0.40</b>            | Rating **    | M                      | Issue No.     | <b>3</b> |
| LM End   | <b>0.41</b>            | Issue Type + | En                     | Location *    | WS       |
| Category   | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|  |                        |              | Start                  | End           |          |
| Item   | Trim / Thin Trees      |              | 38.337697 °            | 38.337963 °   |          |
|  |                        |              | -121.582420 °          | -121.582352 ° |          |
| DWR ID   | DWR_RD0999_05_s_2012_3 |              |                        |               |          |
| Action/Comments                                      |                        |              |                        |               |          |
| Trim trees to at least five feet above ground level. |                        |              |                        |               |          |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>0.40</b>             | Rating **    | M                      | Issue No.     | <b>53</b> |
| LM End  | <b>0.40</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.337753 °            | 38.337753 °   |           |
|   |                         |              | -121.582445 °          | -121.582445 ° |           |
| DWR ID  | DWR_RD0999_05_s_2012_53 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Remove the wild growth other than native grasses from the levee slopes. |                         |              |                        |               |           |

No Photos

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>0.43</b>             | Rating **    | M                      | Issue No.     | <b>25</b> |
| LM End  | <b>0.47</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.338075 °            | 38.338688 °   |           |
|   |                         |              | -121.582322 °          | -121.582193 ° |           |
| DWR ID  | DWR_RD0999_05_s_2012_25 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Remove the wild growth other than native grasses from the levee slopes.<br>Inspector Comments: Elderberries within vegetation area. |                         |              |                        |               |           |

Photo 1 of 4 : richard\_s\_20140310\_325.jpg



Looking northwest at dense vegetation on landside slope and toe.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>0.43</b> | Rating **    | M  | Issue No.  | <b>25 (cont)</b> |
| LM End   | <b>0.47</b> | Issue Type + | Ma | Location * | LS               |

Photo 2 of 4 : richard\_s\_20140310\_326.jpg



Looking southwest at dense berry vines on landside toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough |  | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |                        |               |                  |
|---|-------------------------|--------------|------------------------|---------------|------------------|
| LM Start  | <b>0.43</b>             | Rating **    | M                      | Issue No.     | <b>25 (cont)</b> |
| LM End  | <b>0.47</b>             | Issue Type + | Ma                     | Location *    | LS               |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |                  |
|   |                         |              | Start                  | End           |                  |
| Item  | Vegetation              |              | 38.338075 °            | 38.338688 °   |                  |
|   |                         |              | -121.582322 °          | -121.582193 ° |                  |
| DWR ID  | DWR_RD0999_05_s_2012_25 |              |                        |               |                  |
| Action/Comments   |                         |              |                        |               |                  |
| Remove the wild growth other than native grasses from the levee |                         |              |                        |               |                  |

Photo 3 of 4 : richard\_s\_20140310\_327.jpg



Looking northwest at vegetation on landside shoulder. (Fall 2012)

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>0.43</b> | Rating **    | M  | Issue No.  | <b>25 (cont)</b> |
| LM End   | <b>0.47</b> | Issue Type + | Ma | Location * | LS               |

Photo 4 of 4 : richard\_s\_20140310\_328.jpg



Looking southwest at vegetation on landside slope and toe. (Fall 2012)

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>0.47</b>             | Rating **    | M                      | Issue No.     | <b>26</b> |
| LM End          | <b>0.48</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.338647 °            | 38.338868 °   |           |
|                 |                         |              | -121.582217 °          | -121.582163 ° |           |
| DWR ID          | DWR_RD0999_05_s_2012_26 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Prunings        |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140310\_329.jpg



Looking northeast at prunings on waterside slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                          |              |    |                        |            |
|--|--------------------------|--------------|----|------------------------|------------|
| LM Start   | <b>0.50</b>              | Rating **    | M  | Issue No.              | <b>135</b> |
| LM End   | <b>0.54</b>              | Issue Type + | Ma | Location *             | LS         |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |            |
|  |                          |              |    | Start                  | End        |
| Item   | Trim / Thin Trees        |              |    | °                      | °          |
|  |                          |              |    | °                      | °          |
| DWR ID   | DWR_RD0999_05_f_2013_135 |              |    |                        |            |
| Action/Comments                                      |                          |              |    |                        |            |
| Trim trees to at least five feet above ground level. |                          |              |    |                        |            |

No Photos

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>0.53</b>              | Rating **    | M  | Issue No.              | <b>161</b>    |
| LM End   | <b>0.53</b>              | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental             |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study     |              |    | 38.339607 °            | 38.339607 °   |
|  |                          |              |    | -121.582090 °          | -121.582090 ° |
| DWR ID   | DWR_RD0999_05_s_2014_161 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| Inspector Comments: FS_ID:15413<br>EP_NO: 6081<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Some settlement along LS and WS slopes. Good candidate for video inspection.<br>FIELD_STRUCT_DESC: 10-inch steel pipe through levee 3.3 feet below crown. Pump and butterfly valve in pump house on waterward slope. Vent in 10-inch steel standpipe on LS slope (Permit No. 6081,1968). Replaces an existing 10-inch pipe.<br>FS Date: 6/27/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1317.jpg



Pump in pumphouse on WSs lope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>0.56</b>            | Rating **    | M  | Issue No.              | <b>7</b>      |
| LM End   | <b>0.61</b>            | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Trim / Thin Trees      |              |    | 38.340070 °            | 38.340623 °   |
|  |                        |              |    | -121.581980 °          | -121.581872 ° |
| DWR ID   | DWR_RD0999_05_s_2012_7 |              |    |                        |               |
| Action/Comments  |                        |              |    |                        |               |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                        |              |    |                        |               |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>0.56</b>             | Rating **    | M  | Issue No.              | <b>27</b>     |
| LM End   | <b>0.60</b>             | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Trim / Thin Trees       |              |    | 38.340124 °            | 38.340560 °   |
|  |                         |              |    | -121.582039 °          | -121.581905 ° |
| DWR ID   | DWR_RD0999_05_s_2012_27 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                         |              |    |                        |               |

No Photos

|  |
|--|
| <b>* Location</b><br>LS : Land Side<br>WS : Water Side<br>CR : Crown |
|--|

|  |  |
|--|--|
| <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | <b>N</b> : Not Inspected/Rated<br><b>C</b> : Corrected<br><b>A/W</b> : Acceptable but Monitor & Maintain |
|--|--|

|   |
|---|
| <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>0.61</b>              | Rating **    | M  | Issue No.              | <b>162</b>    |
| LM End  | <b>0.61</b>              | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental             |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study     |              |    | 38.340651 °            | 38.340651 °   |
|   |                          |              |    | -121.581861 °          | -121.581861 ° |
| DWR ID  | DWR_RD0999_05_s_2014_162 |              |    |                        |               |
| Action/Comments   |                          |              |    |                        |               |
| Inspector Comments: FS_ID:15414<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: *Abandoned* 16-inch pipe through levee 6.0 feet below crown. Concrete pumphouse on WS slope. Originally included in the 1966 O&M manual.<br>FS Date: 6/27/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1320.jpg



Pipe visible on WS slope.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>0.62</b>             | Rating **    | M  | Issue No.              | <b>98</b>     |
| LM End   | <b>0.64</b>             | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Trim / Thin Trees       |              |    | 38.340775 °            | 38.341025 °   |
|  |                         |              |    | -121.581803 °          | -121.581665 ° |
| DWR ID   | DWR_RD0999_05_s_2012_98 |              |    |                        |               |
| Action/Comments                                      |                         |              |    |                        |               |
| Trim trees to at least five feet above ground level. |                         |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                        |              |    |                        |               |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>0.72</b>            | Rating **    | M  | Issue No.              | <b>9</b>      |
| LM End  | <b>0.74</b>            | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|   |                        |              |    | Start                  | End           |
| Item  | Trim / Thin Trees      |              |    | 38.342180 °            | 38.342537 °   |
|   |                        |              |    | -121.581230 °          | -121.581263 ° |
| DWR ID  | DWR_RD0999_05_s_2012_9 |              |    |                        |               |
| Action/Comments   |                        |              |    |                        |               |
| Trim and thin trees to allow visibility of the ground and room to flood fight.<br>Inspector Comments: District or Landowner trimmed trees to a moderate density. Still need to remove more limbs. |                        |              |    |                        |               |

Photo 1 of 4 : richard\_s\_20140310\_310.jpg



Front view of dense trees at landside shoulder.(Spring 2011)

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>0.72</b> | Rating **    | M  | Issue No.  | <b>9 (cont)</b> |
| LM End   | <b>0.74</b> | Issue Type + | Ma | Location * | LS              |

Photo 2 of 4 : richard\_s\_20140310\_311.jpg



Looking west at dense trees on landside slope and toe.(Spring 2011)

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>0.72</b> | Rating **    | M  | Issue No.  | <b>9 (cont)</b> |
| LM End   | <b>0.74</b> | Issue Type + | Ma | Location * | LS              |

Photo 3 of 4 : richard\_s\_20140310\_312.jpg



Looking west at trimmed trees on landside slope.(Spring 2012)

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                        |              |    |                        |                 |
|---|------------------------|--------------|----|------------------------|-----------------|
| LM Start  | <b>0.72</b>            | Rating **    | M  | Issue No.              | <b>9 (cont)</b> |
| LM End  | <b>0.74</b>            | Issue Type + | Ma | Location *             | LS              |
| Category  | Earthen Levee          |              |    | GPS Latitude/Longitude |                 |
|   |                        |              |    | Start                  | End             |
| Item  | Trim / Thin Trees      |              |    | 38.342180 °            | 38.342537 °     |
|   |                        |              |    | -121.581230 °          | -121.581263 °   |
| DWR ID  | DWR_RD0999_05_s_2012_9 |              |    |                        |                 |
| Action/Comments   |                        |              |    |                        |                 |
| Trim and thin trees to allow visibility of the ground and room to flood |                        |              |    |                        |                 |

Photo 4 of 4 : richard\_s\_20140310\_313.jpg



Looking northwest at dense trees at landside slope and toe. Spring 2013

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>0.75</b>              | Rating **    | M  | Issue No.              | <b>163</b>    |
| LM End  | <b>0.75</b>              | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental             |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study     |              |    | 38.342653 °            | 38.342653 °   |
|   |                          |              |    | -121.581236 °          | -121.581236 ° |
| DWR ID  | DWR_RD0999_05_s_2014_163 |              |    |                        |               |
| Action/Comments   |                          |              |    |                        |               |
| Inspector Comments: FS_ID:15450<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: *Abandoned* 6-inch pipe through levee 11.5 feet below crown. Pump and gate valve in pump house on the waterward slope. 1.5-inch galvanized iron electrical conduit at same location. Originally included in the 1966 O&M manual.<br>FS Date: 6/27/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1336.jpg



Pumphouse on WS slope with electrical conduit shown.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>0.78</b>             | Rating **    | A/W                    | Issue No.     | <b>10</b> |
| LM End   | <b>0.94</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.343058 °            | 38.345210 °   |           |
|  |                         |              | -121.581263 °          | -121.580713 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_10 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                         |              |                        |               |           |

No Photos

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>0.80</b>             | Rating **    | M                      | Issue No.     | <b>23</b> |
| LM End  | <b>0.80</b>             | Issue Type + | En                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Encroachments           |              | 38.343358 °            | 38.343358 °   |           |
|   |                         |              | -121.581295 °          | -121.581295 ° |           |
| DWR ID  | DWR_RD0999_05_f_2012_23 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Building<br>Inspector Comments: Storage shed at landside toe and within the 10' easement. |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140310\_324.jpg



Looking northwest at storage shed at landside toe and within the 10' easement.

|  |                          |              |                        |               |            |
|--|--------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>0.81</b>              | Rating **    | M                      | Issue No.     | <b>128</b> |
| LM End   | <b>0.81</b>              | Issue Type + | Ma                     | Location *    | LS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|  |                          |              | Start                  | End           |            |
| Item   | Trim / Thin Trees        |              | 38.343495 °            | 38.343495 °   |            |
|  |                          |              | -121.581282 °          | -121.581282 ° |            |
| DWR ID   | DWR_RD0999_05_s_2012_128 |              |                        |               |            |
| Action/Comments  |                          |              |                        |               |            |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                          |              |                        |               |            |

Photo 1 of 1 : richard\_s\_20140310\_382.jpg



Looking at dense trees on landside slope and toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>0.84</b>             | Rating **    | U                      | Issue No.     | <b>11</b> |
| LM End          | <b>0.94</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Vegetation              |              | 38.343825 °            | 38.345215 °   |           |
|                 |                         |              | -121.581133 °          | -121.580728 ° |           |
| DWR ID          | DWR_RD0999_05_s_2012_11 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Landscaping     |                         |              |                        |               |           |

Photo 1 of 2 : richard\_s\_20140310\_314.jpg



View of landscaping (Ivy) blocking view of landside slope from LM 0.84 to 0.94

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>0.84</b> | Rating **    | U  | Issue No.  | <b>11 (cont)</b> |
| LM End   | <b>0.94</b> | Issue Type + | En | Location * | LS               |

Photo 2 of 2 : richard\_s\_20140310\_315.jpg



View of landscaping (Ivy) looking upstream from LM 0.84 to 0.94

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>0.95</b>             | Rating **    | A/W                    | Issue No.     | <b>13</b> |
| LM End  | <b>1.09</b>             | Issue Type + | En                     | Location *    | WS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.345402 °            | 38.347133 °   |           |
|   |                         |              | -121.580655 °          | -121.579573 ° |           |
| DWR ID  | DWR_RD0999_05_s_2012_13 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Remove the wild growth other than native grasses from the levee |                         |              |                        |               |           |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                          |              |                        |            |            |
|--|--------------------------|--------------|------------------------|------------|------------|
| LM Start   | <b>0.99</b>              | Rating **    | M                      | Issue No.  | <b>136</b> |
| LM End   | <b>1.02</b>              | Issue Type + | En                     | Location * | LS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |            |            |
|  |                          |              | Start                  | End        |            |
| Item   | Encroachments            |              |                        | °          | °          |
|  |                          |              |                        | °          | °          |
| DWR ID   | DWR_RD0999_05_f_2013_136 |              |                        |            |            |
| Action/Comments  |                          |              |                        |            |            |
| Fence<br>Inspector Comments: Fencing on landward slope |                          |              |                        |            |            |

Photo 1 of 1 : richard\_s\_20140310\_386.jpg



Looking northwest at fence on landward slope.

|  |                          |              |                        |            |            |
|--|--------------------------|--------------|------------------------|------------|------------|
| LM Start   | <b>1.04</b>              | Rating **    | M                      | Issue No.  | <b>146</b> |
| LM End   | <b>1.06</b>              | Issue Type + | Ma                     | Location * | LS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |            |            |
|  |                          |              | Start                  | End        |            |
| Item   | Trim / Thin Trees        |              |                        | °          | °          |
|  |                          |              |                        | °          | °          |
| DWR ID   | DWR_RD0999_05_f_2013_146 |              |                        |            |            |
| Action/Comments  |                          |              |                        |            |            |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                          |              |                        |            |            |

No Photos

|  |                         |              |                        |            |             |
|--|-------------------------|--------------|------------------------|------------|-------------|
| LM Start   | <b>1.11</b>             | Rating **    | M                      | Issue No.  | <b>14</b>   |
| LM End   | <b>1.15</b>             | Issue Type + | Ma                     | Location * | LS          |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |            |             |
|  |                         |              | Start                  | End        |             |
| Item   | Trim / Thin Trees       |              | 38.347427              | °          | 38.347863   |
|  |                         |              | -121.579395            | °          | -121.579113 |
| DWR ID   | DWR_RD0999_05_s_2012_14 |              |                        |            |             |
| Action/Comments                                      |                         |              |                        |            |             |
| Trim trees to at least five feet above ground level. |                         |              |                        |            |             |

Photo 1 of 1 : richard\_s\_20140310\_316.jpg



Looking west at dense trees on landside slope and toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>1.17</b>              | Rating **    | M  | Issue No.              | <b>164</b>    |
| LM End  | <b>1.17</b>              | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental             |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study     |              |    | 38.348113 °            | 38.348113 °   |
|   |                          |              |    | -121.578841 °          | -121.578841 ° |
| DWR ID  | DWR_RD0999_05_s_2014_164 |              |    |                        |               |
| Action/Comments   |                          |              |    |                        |               |
| Inspector Comments: FS_ID:16336<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe appears abandoned and should be removed.<br>FIELD_STRUCT_DESC: *Abandoned*10-inch steel irrigation pipe through levee 6.5-feet below crown. Pipe extends under metal walkway on WS shoulder.<br>FS Date: 6/27/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1470.jpg



Pipe visible beneath 10-inch pipe that is currently in use. No connection.

|   |                          |              |    |                        |            |
|---|--------------------------|--------------|----|------------------------|------------|
| LM Start  | <b>1.17</b>              | Rating **    | M  | Issue No.              | <b>137</b> |
| LM End  | <b>1.17</b>              | Issue Type + | En | Location *             | WS         |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |            |
|   |                          |              |    | Start                  | End        |
| Item  | Encroachments            |              |    |                        |            |
|   |                          |              |    |                        |            |
| DWR ID  | DWR_RD0999_05_s_2013_137 |              |    |                        |            |
| Action/Comments   |                          |              |    |                        |            |
| Building<br>Inspector Comments: Building is next to 10-inch pipe and pump station on waterside of levee. Building is not permitted. |                          |              |    |                        |            |

Photo 1 of 2 : richard\_s\_20140310\_387.jpg



Looking northwest at pump building on landside slope and toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                          |              |    |                        |                   |
|---|--------------------------|--------------|----|------------------------|-------------------|
| LM Start  | <b>1.17</b>              | Rating **    | M  | Issue No.              | <b>137 (cont)</b> |
| LM End  | <b>1.17</b>              | Issue Type + | En | Location *             | WS                |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |                   |
|   |                          |              |    | Start                  | End               |
| Item  | Encroachments            |              |    | °                      | °                 |
|   |                          |              |    | °                      | °                 |
| DWR ID  | DWR_RD0999_05_s_2013_137 |              |    |                        |                   |
| Action/Comments   |                          |              |    |                        |                   |
| Building<br>Inspector Comments: Building is next to 10-inch pipe and pump station on waterside of levee. Building is not permitted. |                          |              |    |                        |                   |



Looking west at pump building on landside slope and toe.

|   |                          |              |    |                        |            |
|---|--------------------------|--------------|----|------------------------|------------|
| LM Start  | <b>1.19</b>              | Rating **    | M  | Issue No.              | <b>147</b> |
| LM End  | <b>1.19</b>              | Issue Type + | Ma | Location *             | LS         |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |            |
|   |                          |              |    | Start                  | End        |
| Item  | Vegetation               |              |    | °                      | °          |
|   |                          |              |    | °                      | °          |
| DWR ID  | DWR_RD0999_05_f_2013_147 |              |    |                        |            |
| Action/Comments   |                          |              |    |                        |            |
| Remove the wild growth other than native grasses from the levee slopes. |                          |              |    |                        |            |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>1.20</b>             | Rating **    | M  | Issue No.              | <b>15</b>     |
| LM End   | <b>1.24</b>             | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Trim / Thin Trees       |              |    | 38.348237 °            | 38.348328 °   |
|  |                         |              |    | -121.578440 °          | -121.577735 ° |
| DWR ID   | DWR_RD0999_05_s_2012_15 |              |    |                        |               |
| Action/Comments                                      |                         |              |    |                        |               |
| Trim trees to at least five feet above ground level. |                         |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                          |              |    |                        |            |
|--|--------------------------|--------------|----|------------------------|------------|
| LM Start   | <b>1.20</b>              | Rating **    | M  | Issue No.              | <b>148</b> |
| LM End   | <b>1.20</b>              | Issue Type + | En | Location *             | LS         |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |            |
|  |                          |              |    | Start                  | End        |
| Item   | Encroachments            |              |    | °                      | °          |
|  |                          |              |    | °                      | °          |
| DWR ID   | DWR_RD0999_05_f_2013_148 |              |    |                        |            |
| Action/Comments  |                          |              |    |                        |            |
| Abandoned vehicles<br>Inspector Comments: Abandoned vehicle at landward toe. |                          |              |    |                        |            |

Photo 1 of 1 : richard\_s\_20140310\_392.jpg



Looking west at abandoned vehicle on landward toe.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>1.24</b>             | Rating **    | M  | Issue No.              | <b>76</b>     |
| LM End  | <b>1.27</b>             | Issue Type + | En | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Encroachments           |              |    | 38.348336 °            | 38.348332 °   |
|   |                         |              |    | -121.577621 °          | -121.577172 ° |
| DWR ID  | DWR_RD0999_05_s_2012_76 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Fence<br>Inspector Comments: Fence is located on landside shoulder. |                         |              |    |                        |               |

Photo 1 of 1 : richard\_s\_20140310\_355.jpg



Looking north at fence along landside slope.

|   |                        |              |    |                        |               |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>1.34</b>            | Rating **    | M  | Issue No.              | <b>2</b>      |
| LM End  | <b>1.40</b>            | Issue Type + | En | Location *             | LS            |
| Category  | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|   |                        |              |    | Start                  | End           |
| Item  | Vegetation             |              |    | 38.348267 °            | 38.348188 °   |
|   |                        |              |    | -121.575802 °          | -121.574690 ° |
| DWR ID  | DWR_RD0999_05_s_2012_2 |              |    |                        |               |
| Action/Comments   |                        |              |    |                        |               |
| Landscaping<br>Inspector Comments: Control landscaping on landward slope. |                        |              |    |                        |               |

Photo 1 of 2 : richard\_s\_20140310\_307.jpg



Looking northwest at landscaping on landward slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                        |              |                        |               |                 |
|---|------------------------|--------------|------------------------|---------------|-----------------|
| LM Start  | <b>1.34</b>            | Rating **    | M                      | Issue No.     | <b>2 (cont)</b> |
| LM End  | <b>1.40</b>            | Issue Type + | En                     | Location *    | LS              |
| Category  | Earthen Levee          |              | GPS Latitude/Longitude |               |                 |
|   |                        |              | Start                  | End           |                 |
| Item  | Vegetation             |              | 38.348267 °            | 38.348188 °   |                 |
|   |                        |              | -121.575802 °          | -121.574690 ° |                 |
| DWR ID  | DWR_RD0999_05_s_2012_2 |              |                        |               |                 |
| Action/Comments   |                        |              |                        |               |                 |
| Landscaping<br>Inspector Comments: Control landscaping on landward slope. |                        |              |                        |               |                 |

Photo 2 of 2 : richard\_s\_20140314\_455.jpg



Looking south at landscaping on landward slope.

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>1.34</b>             | Rating **    | M                      | Issue No.     | <b>36</b> |
| LM End   | <b>1.34</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.348252 °            | 38.348252 °   |           |
|  |                         |              | -121.575704 °          | -121.575704 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_36 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

|   |                          |              |                        |            |            |
|---|--------------------------|--------------|------------------------|------------|------------|
| LM Start  | <b>1.38</b>              | Rating **    | M                      | Issue No.  | <b>149</b> |
| LM End  | <b>1.41</b>              | Issue Type + | En                     | Location * | LS         |
| Category  | Earthen Levee            |              | GPS Latitude/Longitude |            |            |
|   |                          |              | Start                  | End        |            |
| Item  | Vegetation               |              |                        |            |            |
|   |                          |              |                        |            |            |
| DWR ID  | DWR_RD0999_05_f_2013_149 |              |                        |            |            |
| Action/Comments   |                          |              |                        |            |            |
| Landscaping<br>Inspector Comments: Large cactus plants on landward slope. |                          |              |                        |            |            |

Photo 1 of 1 : richard\_s\_20140310\_393.jpg



Looking northwest at several cactus plants on landward slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>1.43</b>              | Rating **    | M  | Issue No.              | <b>129</b>    |
| LM End   | <b>1.46</b>              | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Vegetation               |              |    | 38.348100 °            | 38.348100 °   |
|  |                          |              |    | -121.574075 °          | -121.574075 ° |
| DWR ID   | DWR_RD0999_05_s_2012_129 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| Remove the wild growth other than native grasses from the levee slopes.<br>Inspector Comments: Berry vines and century plants on landside toe and slope. |                          |              |    |                        |               |

Photo 1 of 2 : richard\_s\_20140310\_383.jpg



Looking west at century plants on landward slope.

|          |             |              |    |            |                   |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | <b>1.43</b> | Rating **    | M  | Issue No.  | <b>129 (cont)</b> |
| LM End   | <b>1.46</b> | Issue Type + | Ma | Location * | LS                |

Photo 2 of 2 : richard\_s\_20140314\_456.jpg



Looking southwest at berryvines on landward slope.

|   |  |  |
|---|--|--|
| <p><b>* Location</b><br/>                 LS : Land Side<br/>                 WS : Water Side<br/>                 CR : Crown</p> | <p><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 &amp; Maintain</p> | <p><b>+ Issue Type</b><br/>                 Ma : Maintenance Deficiency<br/>                 Ob : Design &amp; System Obsolescence<br/>                 En : Enforcement</p> |
|---|--|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>1.51</b>             | Rating **    | M  | Issue No.              | <b>18</b>     |
| LM End  | <b>1.88</b>             | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Trim / Thin Trees       |              |    | 38.348670 °            | 38.353852 °   |
|   |                         |              |    | -121.573320 °          | -121.573570 ° |
| DWR ID  | DWR_RD0999_05_s_2012_18 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Trim and thin trees to allow visibility of the ground and room to flood |                         |              |    |                        |               |

Photo 1 of 2 : richard\_s\_20140310\_321.jpg



Front view of dense trees along waterside slope.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>1.51</b> | Rating **    | M  | Issue No.  | <b>18 (cont)</b> |
| LM End   | <b>1.88</b> | Issue Type + | Ma | Location * | LS               |

Photo 2 of 2 : richard\_s\_20140310\_322.jpg



Side view of dense trees along waterside slope.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>1.54</b>             | Rating **    | M  | Issue No.              | <b>19</b>     |
| LM End   | <b>1.57</b>             | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Animal Control          |              |    | 38.349152 °            | 38.349582 °   |
|  |                         |              |    | -121.573493 °          | -121.573538 ° |
| DWR ID   | DWR_RD0999_05_s_2012_19 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| Exterminate rodents and backfill and compact or grout burrows. |                         |              |    |                        |               |

No Photos

|                   |
|-------------------|
| <b>* Location</b> |
| LS : Land Side    |
| WS : Water Side   |
| CR : Crown        |

|                          |   |
|--------------------------|---|
| <b>** Rating</b>         |   |
| A : Acceptable           | N : Not Inspected/Rated                 |
| M : Minimally Acceptable | C : Corrected                           |
| U : Unacceptable         | A/W : Acceptable but Monitor & Maintain |

|                                   |
|-----------------------------------|
| <b>+ Issue Type</b>               |
| Ma : Maintenance Deficiency       |
| Ob : Design & System Obsolescence |
| En : Enforcement                  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>1.59</b>             | Rating **    | A/W                    | Issue No.     | <b>20</b> |
| LM End   | <b>1.65</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.349835 °            | 38.350717 °   |           |
|  |                         |              | -121.573643 °          | -121.573887 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_20 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

|                 |                        |              |                        |               |          |
|-----------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start        | <b>1.69</b>            | Rating **    | M                      | Issue No.     | <b>6</b> |
| LM End          | <b>1.69</b>            | Issue Type + | Ma                     | Location *    | WS       |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                 |                        |              | Start                  | End           |          |
| Item            | Encroachments          |              | 38.351250 °            | 38.351250 °   |          |
|                 |                        |              | -121.573986 °          | -121.573986 ° |          |
| DWR ID          | DWR_RD0999_05_s_2014_6 |              |                        |               |          |
| Action/Comments |                        |              |                        |               |          |
| Garbage         |                        |              |                        |               |          |

Photo 1 of 1 : richard\_s\_20140314\_457.jpg



Looking southeast at garbage on waterward slope.

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>1.75</b>             | Rating **    | A/W                    | Issue No.     | <b>21</b> |
| LM End   | <b>1.81</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.352088 °            | 38.352968 °   |           |
|  |                         |              | -121.574052 °          | -121.574008 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_21 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

|                   |
|-------------------|
| <b>* Location</b> |
| LS : Land Side    |
| WS : Water Side   |
| CR : Crown        |

|                          |   |
|--------------------------|---|
| <b>** Rating</b>         |   |
| A : Acceptable           | N : Not Inspected/Rated                 |
| M : Minimally Acceptable | C : Corrected                           |
| U : Unacceptable         | A/W : Acceptable but Monitor & Maintain |

|                                   |
|-----------------------------------|
| <b>+ Issue Type</b>               |
| Ma : Maintenance Deficiency       |
| Ob : Design & System Obsolescence |
| En : Enforcement                  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>1.88</b>              | Rating **    | M  | Issue No.              | <b>165</b>    |
| LM End   | <b>1.88</b>              | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental             |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study     |              |    | 38.353864 °            | 38.353864 °   |
|  |                          |              |    | -121.573577 °          | -121.573577 ° |
| DWR ID   | DWR_RD0999_05_s_2014_165 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| Inspector Comments: FS_ID:15421<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: *Abandoned* 8-inch pipe through levee 4.7 feet below crown. Pump house on the waterward slope. Both ends open. Originally included in the 1966 O&M manual.<br>FS Date: 6/27/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1323.jpg



Pipe and pump remnants on WS slope.

|  |                          |              |     |                        |            |
|--|--------------------------|--------------|-----|------------------------|------------|
| LM Start   | <b>1.97</b>              | Rating **    | A/W | Issue No.              | <b>150</b> |
| LM End   | <b>1.97</b>              | Issue Type + | Ma  | Location *             | WS         |
| Category   | Earthen Levee            |              |     | GPS Latitude/Longitude |            |
|  |                          |              |     | Start                  | End        |
| Item   | Encroachments            |              |     |                        |            |
|  |                          |              |     |                        |            |
| DWR ID   | DWR_RD0999_05_f_2013_150 |              |     |                        |            |
| Action/Comments  |                          |              |     |                        |            |
| Garbage<br>Inspector Comments: Sofa on waterward shoulder. |                          |              |     |                        |            |

Photo 1 of 1 : richard\_s\_20140310\_394.jpg



Looking northeast at garbage (sofa) on waterward slope.

|  |  |   |
|--|--|---|
| <p><b>* Location</b><br/>LS : Land Side<br/>WS : Water Side<br/>CR : Crown</p> | <p><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 &amp; Maintain</p> | <p><b>+ Issue Type</b><br/>Ma : Maintenance Deficiency<br/>Ob : Design &amp; System Obsolescence<br/>En : Enforcement</p> |
|--|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>1.97</b>             | Rating **    | M                      | Issue No.     | <b>22</b> |
| LM End  | <b>1.97</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Encroachments           |              | 38.354888 °            | 38.354888 °   |           |
|   |                         |              | -121.572540 °          | -121.572540 ° |           |
| DWR ID  | DWR_RD0999_05_s_2012_22 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Material<br>Inspector Comments: Concrete rubble should be removed or broken up and spread out at waterward toe. |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140310\_323.jpg



Concrete rubble on waterside sholder at LM 1.97

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>2.06</b>             | Rating **    | M                      | Issue No.     | <b>80</b> |
| LM End  | <b>2.06</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Encroachments           |              | 38.355531 °            | 38.355531 °   |           |
|   |                         |              | -121.571374 °          | -121.571374 ° |           |
| DWR ID  | DWR_RD0999_05_s_2012_80 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Material<br>Inspector Comments: District placed large concrete rubble on ramp to block access. District should remove concrete rubble and use a different method to block access. |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140310\_356.jpg



Looking east at large concrete blocks at the top of ramp on waterside shoulder.

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>2.20</b>             | Rating **    | M                      | Issue No.     | <b>24</b> |
| LM End   | <b>2.22</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.355402 °            | 38.355282 °   |           |
|  |                         |              | -121.568893 °          | -121.568547 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_24 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                         |              |                        |               |           |

No Photos

|                   |
|-------------------|
| <b>* Location</b> |
| LS : Land Side    |
| WS : Water Side   |
| CR : Crown        |

|                          |   |
|--------------------------|---|
| <b>** Rating</b>         |   |
| A : Acceptable           | N : Not Inspected/Rated                 |
| M : Minimally Acceptable | C : Corrected                           |
| U : Unacceptable         | A/W : Acceptable but Monitor & Maintain |

|                                   |
|-----------------------------------|
| <b>+ Issue Type</b>               |
| Ma : Maintenance Deficiency       |
| Ob : Design & System Obsolescence |
| En : Enforcement                  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | <b>2.33</b>             | Rating **    | A/W | Issue No.              | <b>40</b>     |
| LM End   | <b>2.35</b>             | Issue Type + | Ma  | Location *             | WS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Trim / Thin Trees       |              |     | 38.354474 °            | 38.354555 °   |
|  |                         |              |     | -121.566701 °          | -121.566191 ° |
| DWR ID   | DWR_RD0999_05_s_2012_40 |              |     |                        |               |
| Action/Comments                                      |                         |              |     |                        |               |
| Trim trees to at least five feet above ground level. |                         |              |     |                        |               |

No Photos

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>2.41</b>             | Rating **    | M  | Issue No.              | <b>42</b>     |
| LM End  | <b>2.53</b>             | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Trim / Thin Trees       |              |    | 38.354916 °            | 38.355982 °   |
|   |                         |              |    | -121.565167 °          | -121.563561 ° |
| DWR ID  | DWR_RD0999_05_s_2012_42 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Thin trees to allow visibility of the ground and room to flood fight. |                         |              |    |                        |               |

No Photos

|   |                          |              |     |                        |            |
|---|--------------------------|--------------|-----|------------------------|------------|
| LM Start  | <b>2.50</b>              | Rating **    | A/W | Issue No.              | <b>151</b> |
| LM End  | <b>2.50</b>              | Issue Type + | Ma  | Location *             | LS         |
| Category  | Earthen Levee            |              |     | GPS Latitude/Longitude |            |
|   |                          |              |     | Start                  | End        |
| Item  | Encroachments            |              |     | °                      | °          |
|   |                          |              |     | °                      | °          |
| DWR ID  | DWR_RD0999_05_f_2013_151 |              |     |                        |            |
| Action/Comments   |                          |              |     |                        |            |
| Tree or limb<br>Inspector Comments: Downed tree limbs on landward shoulder. |                          |              |     |                        |            |

Photo 1 of 1 : richard\_s\_20140310\_395.jpg



Looking south at downed tree on landward shoulder and slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>2.65</b>             | Rating **    | M                      | Issue No.     | <b>82</b> |
| LM End   | <b>2.70</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.357371 °            | 38.358132 °   |           |
|  |                         |              | -121.562500 °          | -121.562347 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_82 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                         |              |                        |               |           |

No Photos

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>2.76</b>             | Rating **    | A/W                    | Issue No.     | <b>73</b> |
| LM End  | <b>2.76</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Trim / Thin Trees       |              | 38.358888 °            | 38.358888 °   |           |
|   |                         |              | -121.562280 °          | -121.562280 ° |           |
| DWR ID  | DWR_RD0999_05_s_2012_73 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Thin trees to allow visibility of the ground and room to flood fight. |                         |              |                        |               |           |

No Photos

|  |                          |              |                        |            |            |
|--|--------------------------|--------------|------------------------|------------|------------|
| LM Start   | <b>2.93</b>              | Rating **    | M                      | Issue No.  | <b>152</b> |
| LM End   | <b>3.15</b>              | Issue Type + | En                     | Location * | LS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |            |            |
|  |                          |              | Start                  | End        |            |
| Item   | Encroachments            |              |                        |            |            |
|  |                          |              |                        |            |            |
| DWR ID   | DWR_RD0999_05_f_2013_152 |              |                        |            |            |
| Action/Comments  |                          |              |                        |            |            |
| Ditch<br>Inspector Comments: Irrigation ditch at landward toe. |                          |              |                        |            |            |

Photo 1 of 1 : richard\_s\_20140310\_396.jpg



Looking north at abandoned irrigation ditch at landward toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>2.93</b>             | Rating **    | M                      | Issue No.     | <b>29</b> |
| LM End   | <b>3.19</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.361268 °            | 38.364373 °   |           |
|  |                         |              | -121.563263 °          | -121.561947 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_29 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                         |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>3.04</b>             | Rating **    | A/W                    | Issue No.     | <b>30</b> |
| LM End   | <b>3.10</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.362813 °            | 38.363558 °   |           |
|  |                         |              | -121.563332 °          | -121.563017 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_30 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                         |              |                        |               |           |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>3.09</b>              | Rating **    | M  | Issue No.              | <b>166</b>    |
| LM End   | <b>3.09</b>              | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental             |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study     |              |    | 38.363420 °            | 38.363420 °   |
|  |                          |              |    | -121.563102 °          | -121.563102 ° |
| DWR ID   | DWR_RD0999_05_s_2014_166 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| Inspector Comments: FS_ID:15429<br>EP_NO: 7378<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe outlet is eroding the LS slope of the levee, exposing the roots of an oak and threatening greater damage if allowed to continue.<br>FIELD_STRUCT_DESC: 10-inch steel pipe through levee 6-feet below crown. Slant pump and service pole on the waterward slope. 36-inch concrete standpipe on LS toe (Permit No. 7378, 1971). Replaced an existing 8-inch pipe at the same location.<br>FS Date: 6/28/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1325.jpg



Slant pump and pipe on WS slope.

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>3.19</b>             | Rating **    | M  | Issue No.              | <b>31</b>     |
| LM End          | <b>3.24</b>             | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Vegetation              |              |    | 38.364392 °            | 38.364597 °   |
|                 |                         |              |    | -121.561882 °          | -121.561087 ° |
| DWR ID          | DWR_RD0999_05_s_2012_31 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Landscaping     |                         |              |    |                        |               |

Photo 1 of 1 : richard\_s\_20140310\_331.jpg



Looking downstream of landscaping blocking view of landside slope from LM 3.19 to 3.24

|  |  |   |
|--|--|---|
| <p><b>* Location</b><br/>LS : Land Side<br/>WS : Water Side<br/>CR : Crown</p> | <p><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 &amp; Maintain</p> | <p><b>+ Issue Type</b><br/>Ma : Maintenance Deficiency<br/>Ob : Design &amp; System Obsolescence<br/>En : Enforcement</p> |
|--|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>3.20</b>             | Rating **    | A/W                    | Issue No.     | <b>79</b> |
| LM End   | <b>3.20</b>             | Issue Type + | En                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Encroachments           |              | 38.364480 °            | 38.364480 °   |           |
|  |                         |              | -121.561610 °          | -121.561610 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_79 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Tree or limb<br>Inspector Comments: Downed tree limb on landside shoulder within landscape area. |                         |              |                        |               |           |

No Photos

|  |                          |              |                        |               |            |
|--|--------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>3.27</b>              | Rating **    | M                      | Issue No.     | <b>153</b> |
| LM End   | <b>4.29</b>              | Issue Type + | En                     | Location *    | LS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|  |                          |              | Start                  | End           |            |
| Item   | Encroachments            |              | 38.364694 °            | 38.372513 °   |            |
|  |                          |              | -121.560209 °          | -121.552538 ° |            |
| DWR ID   | DWR_RD0999_05_f_2013_153 |              |                        |               |            |
| Action/Comments  |                          |              |                        |               |            |
| Ditch<br>Inspector Comments: Adandoned irrigation ditch at landward toe. |                          |              |                        |               |            |

Photo 1 of 3 : richard\_s\_20140310\_397.jpg



Looking north at old irrigation ditch at landward toe.

|          |             |              |    |            |                   |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | <b>3.27</b> | Rating **    | M  | Issue No.  | <b>153 (cont)</b> |
| LM End   | <b>4.29</b> | Issue Type + | En | Location * | LS                |

Photo 2 of 3 : richard\_s\_20140310\_398.jpg



Looking north at irrigation ditch at landward toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                          |              |                        |               |                   |
|-----------------|--------------------------|--------------|------------------------|---------------|-------------------|
| LM Start        | <b>3.27</b>              | Rating **    | M                      | Issue No.     | <b>153 (cont)</b> |
| LM End          | <b>4.29</b>              | Issue Type + | En                     | Location *    | LS                |
| Category        | Earthen Levee            |              | GPS Latitude/Longitude |               |                   |
|                 |                          |              | Start                  | End           |                   |
| Item            | Encroachments            |              | 38.364694 °            | 38.372513 °   |                   |
|                 |                          |              | -121.560209 °          | -121.552538 ° |                   |
| DWR ID          | DWR_RD0999_05_f_2013_153 |              |                        |               |                   |
| Action/Comments |                          |              |                        |               |                   |
| Ditch           |                          |              |                        |               |                   |

Photo 3 of 3 : richard\_s\_20140310\_399.jpg



Looking south at irrigation ditch at landward toe.

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>3.29</b>             | Rating **    | A/W                    | Issue No.     | <b>33</b> |
| LM End   | <b>3.37</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.364552 °            | 38.364225 °   |           |
|  |                         |              | -121.560137 °          | -121.558852 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_33 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

|   |                                       |              |                        |               |            |
|---|---------------------------------------|--------------|------------------------|---------------|------------|
| LM Start  | <b>3.32</b>                           | Rating **    | M                      | Issue No.     | <b>191</b> |
| LM End  | <b>3.70</b>                           | Issue Type + | Ma                     | Location *    | CR         |
| Category  | Earthen Levee                         |              | GPS Latitude/Longitude |               |            |
|   |                                       |              | Start                  | End           |            |
| Item  | Crown Surface / Depressions / Rutting |              | 38.364522 °            | 38.366911 °   |            |
|   |                                       |              | -121.559423 °          | -121.556784 ° |            |
| DWR ID  | DWR_RD0999_05_s_2014_191              |              |                        |               |            |
| Action/Comments   |                                       |              |                        |               |            |
| Add appropriate gravel or road base. Grade and compact. |                                       |              |                        |               |            |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>3.50</b>             | Rating **    | A/W                    | Issue No.     | <b>34</b> |
| LM End   | <b>3.53</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.364113 °            | 38.364542 °   |           |
|  |                         |              | -121.556507 °          | -121.556402 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_34 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>3.61</b>             | Rating **    | A/W                    | Issue No.     | <b>12</b> |
| LM End  | <b>3.71</b>             | Issue Type + | En                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.365678 °            | 38.367087 °   |           |
|   |                         |              | -121.556693 °          | -121.556725 ° |           |
| DWR ID  | DWR_RD0999_05_s_2012_12 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Remove the wild growth other than native grasses from the levee slopes. |                         |              |                        |               |           |

No Photos

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>3.62</b>             | Rating **    | M                      | Issue No.     | <b>83</b> |
| LM End          | <b>3.72</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.365711 °            | 38.367107 °   |           |
|                 |                         |              | -121.556714 °          | -121.556745 ° |           |
| DWR ID          | DWR_RD0999_05_s_2012_83 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Fence           |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140310\_357.jpg



Looking north at fence along waterside shoulder.

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough |  | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>3.70</b>             | Rating **    | M                      | Issue No.     | <b>16</b> |
| LM End          | <b>3.70</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.366958 °            | 38.366958 °   |           |
|                 |                         |              | -121.556822 °          | -121.556822 ° |           |
| DWR ID          | DWR_RD0999_05_s_2012_16 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Equipment       |                         |              |                        |               |           |

Photo 1 of 2 : richard\_s\_20140310\_317.jpg



Looking west at equipment at landside toe.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.70</b> | Rating **    | M  | Issue No.  | <b>16 (cont)</b> |
| LM End   | <b>3.70</b> | Issue Type + | Ma | Location * | LS               |

Photo 2 of 2 : richard\_s\_20140310\_318.jpg



Looking northwest at equipment on landside toe.

|                                 |                          |              |                        |               |            |
|---------------------------------|--------------------------|--------------|------------------------|---------------|------------|
| LM Start                        | <b>3.74</b>              | Rating **    | M                      | Issue No.     | <b>167</b> |
| LM End                          | <b>3.74</b>              | Issue Type + | En                     | Location *    | LS         |
| Category                        | Supplemental             |              | GPS Latitude/Longitude |               |            |
|                                 |                          |              | Start                  | End           |            |
| Item                            | DWR UCIP Field Study     |              | 38.367469 °            | 38.367469 °   |            |
|                                 |                          |              | -121.556509 °          | -121.556509 ° |            |
| DWR ID                          | DWR_RD0999_05_s_2014_167 |              |                        |               |            |
| Action/Comments                 |                          |              |                        |               |            |
| Inspector Comments: FS_ID:16337 |                          |              |                        |               |            |

Photo 1 of 1 : UCIP\_1474.jpg



Pump on pier at WS.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>3.75</b>             | Rating **    | M                      | Issue No.     | <b>85</b> |
| LM End          | <b>3.83</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.367500 °            | 38.367997 °   |           |
|                 |                         |              | -121.556478 °          | -121.555348 ° |           |
| DWR ID          | DWR_RD0999_05_s_2012_85 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Fence           |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140310\_358.jpg



Looking northg at fence along landside shoulder.

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start                                      | <b>3.79</b>             | Rating **    | M                      | Issue No.     | <b>84</b> |
| LM End  | <b>3.95</b>             | Issue Type + | En                     | Location *    | WS        |
| Category                                      | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Encroachments           |              | 38.367644 °            | 38.368288 °   |           |
|   |                         |              | -121.556012 °          | -121.553118 ° |           |
| DWR ID  | DWR_RD0999_05_s_2012_84 |              |                        |               |           |
| Action/Comments                               |                         |              |                        |               |           |
| Fence   |                         |              |                        |               |           |
| Inspector Comments: Fencing is for livestock. |                         |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>3.95</b>             | Rating **    | M                      | Issue No.     | <b>17</b> |
| LM End   | <b>4.00</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Encroachments           |              | 38.368307 °            | 38.368307 °   |           |
|  |                         |              | -121.552955 °          | -121.552955 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_17 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Garbage  |                         |              |                        |               |           |
| Inspector Comments: Garbage and prunings also located at site. |                         |              |                        |               |           |

Photo 1 of 3 : richard\_s\_20140310\_319.jpg



Looking northwest at garbage on landside toe and berm. (Spring 2011)

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |                        |               |                  |
|---|-------------------------|--------------|------------------------|---------------|------------------|
| LM Start  | <b>3.95</b>             | Rating **    | M                      | Issue No.     | <b>17 (cont)</b> |
| LM End  | <b>4.00</b>             | Issue Type + | Ma                     | Location *    | LS               |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |                  |
|   |                         |              | Start                  | End           |                  |
| Item  | Encroachments           |              | 38.368307 °            | 38.368307 °   |                  |
|   |                         |              | -121.552955 °          | -121.552955 ° |                  |
| DWR ID  | DWR_RD0999_05_s_2012_17 |              |                        |               |                  |
| Action/Comments   |                         |              |                        |               |                  |
| Garbage<br>Inspector Comments: Garbage and prunings also located at site. |                         |              |                        |               |                  |

Photo 2 of 3 : richard\_s\_20140310\_320.jpg



Looking south at large pruning pile on landward slope.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.95</b> | Rating **    | M  | Issue No.  | <b>17 (cont)</b> |
| LM End   | <b>4.00</b> | Issue Type + | Ma | Location * | LS               |

Photo 3 of 3 : richard\_s\_20140314\_458.jpg



Looking south at prunings on landward slope and toe.

|  |                                       |              |                        |               |            |
|--|---------------------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>4.01</b>                           | Rating **    | A/W                    | Issue No.     | <b>139</b> |
| LM End   | <b>4.29</b>                           | Issue Type + | Ma                     | Location *    | CR         |
| Category   | Earthen Levee                         |              | GPS Latitude/Longitude |               |            |
|  |                                       |              | Start                  | End           |            |
| Item   | Crown Surface / Depressions / Rutting |              | 38.368941 °            | 38.372511 °   |            |
|  |                                       |              | -121.552470 °          | -121.552529 ° |            |
| DWR ID   | DWR_RD0999_05_s_2013_139              |              |                        |               |            |
| Action/Comments  |                                       |              |                        |               |            |
| Add appropriate material and re-grade the levee to bring the crown |                                       |              |                        |               |            |

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>4.05</b>             | Rating **    | A/W                    | Issue No.     | <b>41</b> |
| LM End   | <b>4.12</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.369440 °            | 38.370398 °   |           |
|  |                         |              | -121.552747 °          | -121.553373 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_41 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                         |              |                        |               |           |

Photo 1 of 2 : richard\_s\_20140310\_339.jpg



Looking northeast at overgrown trees on waterside slope.(Spring 2011)

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>4.05</b> | Rating **    | A/W | Issue No.  | <b>41 (cont)</b> |
| LM End   | <b>4.12</b> | Issue Type + | Ma  | Location * | WS               |

Photo 2 of 2 : richard\_s\_20140310\_340.jpg



Looking northeast at trimmed trees on waterside slope.

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>4.30</b>             | Rating **    | A/W                    | Issue No.     | <b>35</b> |
| LM End          | <b>4.30</b>             | Issue Type + | En                     | Location *    | WS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.372672 °            | 38.372672 °   |           |
|                 |                         |              | -121.552380 °          | -121.552380 ° |           |
| DWR ID          | DWR_RD0999_05_s_2012_35 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Prunings        |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140310\_333.jpg



Looking northeast at larger pruning pile on waterside shoulder.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>4.37</b>             | Rating **    | M                      | Issue No.     | <b>55</b> |
| LM End   | <b>4.37</b>             | Issue Type + | En                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Vegetation              |              | 38.373517 °            | 38.373517 °   |           |
|  |                         |              | -121.551867 °          | -121.551867 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_55 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Landscaping<br>Inspector Comments: Century plant on waterside slope. |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140310\_346.jpg



Looking at century plants on waterside shoulder.(Spring 2012)

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>4.38</b>             | Rating **    | M                      | Issue No.     | <b>44</b> |
| LM End   | <b>4.41</b>             | Issue Type + | En                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Vegetation              |              | 38.373625 °            | 38.373907 °   |           |
|  |                         |              | -121.551787 °          | -121.551607 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_44 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Landscaping<br>Inspector Comments: Landowner has trimmed landscape, but still blocking view. |                         |              |                        |               |           |

Photo 1 of 2 : richard\_s\_20140310\_342.jpg



Overgrown landscaping on landside slope blocking view of slope from LM 4.38 to 4.41

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>4.38</b> | Rating **    | M  | Issue No.  | <b>44 (cont)</b> |
| LM End   | <b>4.41</b> | Issue Type + | En | Location * | LS               |

Photo 2 of 2 : richard\_s\_20140310\_343.jpg



Looking north at landscaping on landward slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>4.42</b>             | Rating **    | M  | Issue No.              | <b>45</b>     |
| LM End  | <b>4.43</b>             | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Trim / Thin Trees       |              |    | 38.374160 °            | 38.374410 °   |
|   |                         |              |    | -121.551408 °          | -121.551157 ° |
| DWR ID  | DWR_RD0999_05_s_2012_45 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Trim and thin trees to allow visibility of the ground and room to flood |                         |              |    |                        |               |

No Photos

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>4.43</b>             | Rating **    | M  | Issue No.              | <b>28</b>     |
| LM End  | <b>4.43</b>             | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Vegetation              |              |    | 38.374215 °            | 38.374215 °   |
|   |                         |              |    | -121.551352 °          | -121.551352 ° |
| DWR ID  | DWR_RD0999_05_f_2012_28 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |

Photo 1 of 1 : richard\_s\_20140310\_330.jpg



Looking northeast at fig tree on waterside slope.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start                                  | <b>4.43</b>             | Rating **    | M  | Issue No.              | <b>56</b>     |
| LM End                                    | <b>4.43</b>             | Issue Type + | En | Location *             | LS            |
| Category                                  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item                                      | Vegetation              |              |    | 38.374410 °            | 38.374410 °   |
|   |                         |              |    | -121.551173 °          | -121.551173 ° |
| DWR ID                                    | DWR_RD0999_05_s_2012_56 |              |    |                        |               |
| Action/Comments                           |                         |              |    |                        |               |
| Landscaping<br>Inspector Comments: Cactus |                         |              |    |                        |               |

Photo 1 of 1 : richard\_s\_20140310\_347.jpg



Looking northwest at cactus on landside shoulder and slope. (Spring 2012)

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>4.44</b>             | Rating **    | M                      | Issue No.     | <b>37</b> |
| LM End  | <b>4.52</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.374393 °            | 38.375008 °   |           |
|   |                         |              | -121.551187 °          | -121.550085 ° |           |
| DWR ID  | DWR_RD0999_05_s_2012_37 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Remove the wild growth other than native grasses from the levee slopes. |                         |              |                        |               |           |

No Photos

|  |                          |              |                        |               |            |
|--|--------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>4.44</b>              | Rating **    | M                      | Issue No.     | <b>168</b> |
| LM End   | <b>4.44</b>              | Issue Type + | En                     | Location *    | LS         |
| Category   | Supplemental             |              | GPS Latitude/Longitude |               |            |
|  |                          |              | Start                  | End           |            |
| Item   | DWR UCIP Field Study     |              | 38.374376 °            | 38.374376 °   |            |
|  |                          |              | -121.551201 °          | -121.551201 ° |            |
| DWR ID   | DWR_RD0999_05_s_2014_168 |              |                        |               |            |
| Action/Comments  |                          |              |                        |               |            |
| Inspector Comments: FS_ID:16338<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: This crossing should be permitted or removed.<br>FIELD_STRUCT_DESC: 2-inch plastic water line through the levee 6-inch below the crown. Portable pump on the WS toe.<br>FS Date: 6/28/2013 |                          |              |                        |               |            |

Photo 1 of 1 : UCIP\_1477.jpg



Flex pipe through the levee 6-inches below the crown with portable pump on WS toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                          |              |    |                        |            |
|--|--------------------------|--------------|----|------------------------|------------|
| LM Start   | <b>4.45</b>              | Rating **    | M  | Issue No.              | <b>130</b> |
| LM End   | <b>4.45</b>              | Issue Type + | Ma | Location *             | LS         |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |            |
|  |                          |              |    | Start                  | End        |
| Item   | Trim / Thin Trees        |              |    | °                      | °          |
|  |                          |              |    | °                      | °          |
| DWR ID   | DWR_RD0999_05_f_2013_130 |              |    |                        |            |
| Action/Comments                                      |                          |              |    |                        |            |
| Trim trees to at least five feet above ground level. |                          |              |    |                        |            |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>4.48</b>             | Rating **    | M  | Issue No.              | <b>57</b>     |
| LM End   | <b>4.53</b>             | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Trim / Thin Trees       |              |    | 38.374866 °            | 38.375061 °   |
|  |                         |              |    | -121.550491 °          | -121.549800 ° |
| DWR ID   | DWR_RD0999_05_s_2012_57 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                         |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>4.52</b>              | Rating **    | M  | Issue No.              | <b>169</b>    |
| LM End   | <b>4.52</b>              | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental             |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study     |              |    | 38.375036 °            | 38.375036 °   |
|  |                          |              |    | -121.549961 °          | -121.549961 ° |
| DWR ID   | DWR_RD0999_05_s_2014_169 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| Inspector Comments: FS_ID:16403<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Need to determine Permit No. for this crossing or remove it.<br>FIELD_STRUCT_DESC: 5-inch temporary alluminum pipe over the top of the levee. Portable pump on the WS toe.<br>FS Date: 6/28/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1503.jpg



Portable pump on WS toe.

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>4.53</b>              | Rating **    | M  | Issue No.              | <b>131</b>    |
| LM End  | <b>4.53</b>              | Issue Type + | En | Location *             | WS            |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | Encroachments            |              |    | 38.375027 °            | 38.375027 °   |
|   |                          |              |    | -121.549883 °          | -121.549883 ° |
| DWR ID  | DWR_RD0999_05_s_2012_131 |              |    |                        |               |
| Action/Comments   |                          |              |    |                        |               |
| Equipment<br>Inspector Comments: Propane tank on waterside slope within the twenty foot zone. |                          |              |    |                        |               |

Photo 1 of 1 : richard\_s\_20140310\_384.jpg



Looking northeast at propane tank on waterside slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>4.55</b>             | Rating **    | A/W                    | Issue No.     | <b>47</b> |
| LM End   | <b>4.61</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.375072 °            | 38.375057 °   |           |
|  |                         |              | -121.549547 °          | -121.548357 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_47 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                         |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>4.57</b>             | Rating **    | A/W                    | Issue No.     | <b>58</b> |
| LM End   | <b>4.68</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.375099 °            | 38.375211 °   |           |
|  |                         |              | -121.549068 °          | -121.547158 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_58 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                         |              |                        |               |           |

No Photos

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>4.59</b>             | Rating **    | A/W                    | Issue No.     | <b>38</b> |
| LM End  | <b>4.72</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Trim / Thin Trees       |              | 38.375055 °            | 38.375313 °   |           |
|   |                         |              | -121.548792 °          | -121.546438 ° |           |
| DWR ID  | DWR_RD0999_05_s_2012_38 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Thin trees to allow visibility of the ground and room to flood fight. |                         |              |                        |               |           |

Photo 1 of 3 : richard\_s\_20140310\_334.jpg



Looking northwest at dense trees on landside slope.(Spring 2011)

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |     |                        |                  |
|---|-------------------------|--------------|-----|------------------------|------------------|
| LM Start  | <b>4.59</b>             | Rating **    | A/W | Issue No.              | <b>38 (cont)</b> |
| LM End  | <b>4.72</b>             | Issue Type + | Ma  | Location *             | LS               |
| Category  | Earthen Levee           |              |     | GPS Latitude/Longitude |                  |
|   |                         |              |     | Start                  | End              |
| Item  | Trim / Thin Trees       |              |     | 38.375055 °            | 38.375313 °      |
|   |                         |              |     | -121.548792 °          | -121.546438 °    |
| DWR ID  | DWR_RD0999_05_s_2012_38 |              |     |                        |                  |
| Action/Comments   |                         |              |     |                        |                  |
| Thin trees to allow visibility of the ground and room to flood fight. |                         |              |     |                        |                  |

Photo 2 of 3 : richard\_s\_20140310\_335.jpg



Looking west at dense trees on landside slope.(Spring 2011)

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>4.59</b> | Rating **    | A/W | Issue No.  | <b>38 (cont)</b> |
| LM End   | <b>4.72</b> | Issue Type + | Ma  | Location * | LS               |

Photo 3 of 3 : richard\_s\_20140310\_336.jpg



Looking west at trimmed trees on landside slope.(Spring 2012)

|  |                                       |              |    |                        |               |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>4.59</b>                           | Rating **    | M  | Issue No.              | <b>32</b>     |
| LM End   | <b>4.93</b>                           | Issue Type + | Ma | Location *             | CR            |
| Category   | Earthen Levee                         |              |    | GPS Latitude/Longitude |               |
|  |                                       |              |    | Start                  | End           |
| Item   | Crown Surface / Depressions / Rutting |              |    | 38.375084 °            | 38.377176 °   |
|  |                                       |              |    | -121.548750 °          | -121.543571 ° |
| DWR ID   | DWR_RD0999_05_f_2012_32               |              |    |                        |               |
| Action/Comments  |                                       |              |    |                        |               |
| Add appropriate material and re-grade the levee to bring the crown |                                       |              |    |                        |               |

Photo 1 of 1 : richard\_s\_20140310\_332.jpg



Looking north at vegetation on levee crown.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>4.60</b>             | Rating **    | M                      | Issue No.     | <b>49</b> |
| LM End   | <b>4.66</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Animal Control          |              | 38.375050 °            | 38.375077 °   |           |
|  |                         |              | -121.548717 °          | -121.547512 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_49 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Exterminate rodents and backfill and compact or grout burrows. |                         |              |                        |               |           |

No Photos

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>4.73</b>             | Rating **    | N                      | Issue No.     | <b>62</b> |
| LM End          | <b>4.73</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Trim / Thin Trees       |              | 38.375360 °            | 38.375360 °   |           |
|                 |                         |              | -121.546291 °          | -121.546291 ° |           |
| DWR ID          | DWR_RD0999_05_s_2012_62 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Tree stumps.    |                         |              |                        |               |           |

No Photos

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>4.73</b>             | Rating **    | M                      | Issue No.     | <b>50</b> |
| LM End          | <b>4.73</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.375373 °            | 38.375373 °   |           |
|                 |                         |              | -121.546200 °          | -121.546200 ° |           |
| DWR ID          | DWR_RD0999_05_s_2012_50 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Tree or limb    |                         |              |                        |               |           |

No Photos

|                   |
|-------------------|
| <b>* Location</b> |
| LS : Land Side    |
| WS : Water Side   |
| CR : Crown        |

|                          |   |
|--------------------------|---|
| <b>** Rating</b>         |   |
| A : Acceptable           | N : Not Inspected/Rated                 |
| M : Minimally Acceptable | C : Corrected                           |
| U : Unacceptable         | A/W : Acceptable but Monitor & Maintain |

|                                   |
|-----------------------------------|
| <b>+ Issue Type</b>               |
| Ma : Maintenance Deficiency       |
| Ob : Design & System Obsolescence |
| En : Enforcement                  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>4.75</b>             | Rating **    | M                      | Issue No.     | <b>52</b> |
| LM End   | <b>4.82</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.375418 °            | 38.375989 °   |           |
|  |                         |              | -121.546043 °          | -121.544934 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_52 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

|  |                          |              |                        |            |            |
|--|--------------------------|--------------|------------------------|------------|------------|
| LM Start   | <b>4.76</b>              | Rating **    | M                      | Issue No.  | <b>154</b> |
| LM End   | <b>4.76</b>              | Issue Type + | Ma                     | Location * | LS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |            |            |
|  |                          |              | Start                  | End        |            |
| Item   | Slope Stability          |              |                        |            |            |
|  |                          |              |                        |            |            |
| DWR ID   | DWR_RD0999_05_f_2013_154 |              |                        |            |            |
| Action/Comments  |                          |              |                        |            |            |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                          |              |                        |            |            |
| Inspector Comments: Levee damaged by vehicle traffic.                                |                          |              |                        |            |            |

Photo 1 of 1 : richard\_s\_20140310\_400.jpg



Looking west at levee damage due to vehicle traffic.

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>4.76</b>             | Rating **    | M                      | Issue No.     | <b>46</b> |
| LM End   | <b>4.76</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Encroachments           |              | 38.375548 °            | 38.375548 °   |           |
|  |                         |              | -121.545693 °          | -121.545693 ° |           |
| DWR ID   | DWR_RD0999_05_f_2012_46 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Pipe   |                         |              |                        |               |           |
| Inspector Comments: Pipe is disconnected from pump and should be reconnected or removed. |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140310\_344.jpg



Looking east at pipe disconnected from pump.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | <b>4.76</b>             | Rating **    | A/W | Issue No.              | <b>63</b>     |
| LM End   | <b>4.79</b>             | Issue Type + | Ma  | Location *             | WS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Trim / Thin Trees       |              |     | 38.375566 °            | 38.375775 °   |
|  |                         |              |     | -121.545676 °          | -121.545255 ° |
| DWR ID   | DWR_RD0999_05_s_2012_63 |              |     |                        |               |
| Action/Comments  |                         |              |     |                        |               |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                         |              |     |                        |               |

No Photos

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>4.77</b>              | Rating **    | M  | Issue No.              | <b>170</b>    |
| LM End   | <b>4.77</b>              | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental             |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study     |              |    | 38.375537 °            | 38.375537 °   |
|  |                          |              |    | -121.545647 °          | -121.545647 ° |
| DWR ID   | DWR_RD0999_05_s_2014_170 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| Inspector Comments: FS_ID:15443<br>EP_NO: 7383<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 4.0 feet below the crown. Pumphouse on WS slope and a JP on the LS shoulder. 1.5-inch galvanized iron electrical conduit at same location. Replaces existing portion of a 10-inch pipe within the levee section (Permit No. 7383, 1971).<br>FS Date: 6/28/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1329.jpg



Abandoned pumphouse on WS slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>4.79</b>             | Rating **    | A/W                    | Issue No.     | <b>61</b> |
| LM End   | <b>4.83</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Vegetation              |              | 38.375769 °            | 38.376074 °   |           |
|  |                         |              | -121.545258 °          | -121.544799 ° |           |
| DWR ID   | DWR_RD0999_05_f_2012_61 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Remove the wild growth other than native grasses from the levee slopes.<br>Inspector Comments: Dense vegetation at landside toe. |                         |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>4.86</b>             | Rating **    | A/W                    | Issue No.     | <b>64</b> |
| LM End   | <b>4.86</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.376432 °            | 38.376432 °   |           |
|  |                         |              | -121.544382 °          | -121.544382 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_64 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>4.89</b>             | Rating **    | A/W                    | Issue No.     | <b>54</b> |
| LM End   | <b>4.89</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.376717 °            | 38.376717 °   |           |
|  |                         |              | -121.544017 °          | -121.544017 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_54 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |     |                        |               |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start  | <b>5.16</b>             | Rating **    | A/W | Issue No.              | <b>65</b>     |
| LM End  | <b>5.23</b>             | Issue Type + | Ma  | Location *             | LS            |
| Category  | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|   |                         |              |     | Start                  | End           |
| Item  | Encroachments           |              |     | 38.379752 °            | 38.380640 °   |
|   |                         |              |     | -121.541048 °          | -121.541325 ° |
| DWR ID  | DWR_RD0999_05_s_2012_65 |              |     |                        |               |
| Action/Comments   |                         |              |     |                        |               |
| Prunings<br>Inspector Comments: Prunings on landside slope. |                         |              |     |                        |               |

Photo 1 of 1 : richard\_s\_20140310\_348.jpg



Looking northeast at prunings on landward slope.

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>5.22</b>              | Rating **    | M  | Issue No.              | <b>171</b>    |
| LM End   | <b>5.22</b>              | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental             |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study     |              |    | 38.380523 °            | 38.380523 °   |
|  |                          |              |    | -121.541186 °          | -121.541186 ° |
| DWR ID   | DWR_RD0999_05_s_2014_171 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| Inspector Comments: FS_ID:15452<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe abandoned and should be done so properly.<br>Pipe open on waterside.<br>FIELD_STRUCT_DESC: 7-inch steel irrigation pipe through the levee 6.5-feet below the crown. Originally included in the 1966 O&M manual.<br>FS Date: 6/28/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1337.jpg



Pipe visible on WS slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>5.47</b>             | Rating **    | M                      | Issue No.     | <b>51</b> |
| LM End  | <b>5.61</b>             | Issue Type + | En                     | Location *    | WS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Encroachments           |              | 38.381490 °            | 38.383185 °   |           |
|   |                         |              | -121.545477 °          | -121.546877 ° |           |
| DWR ID  | DWR_RD0999_05_s_2012_51 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Fence<br>Inspector Comments: Fence is installed down waterside slope. |                         |              |                        |               |           |



Looking northeast at fence on waterside slope.

|  |                          |              |                        |               |            |
|--|--------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>5.50</b>              | Rating **    | M                      | Issue No.     | <b>138</b> |
| LM End   | <b>5.50</b>              | Issue Type + | Ma                     | Location *    | WS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|  |                          |              | Start                  | End           |            |
| Item   | Encroachments            |              | 38.381740 °            | 38.381740 °   |            |
|  |                          |              | -121.545864 °          | -121.545864 ° |            |
| DWR ID   | DWR_RD0999_05_s_2014_138 |              |                        |               |            |
| Action/Comments  |                          |              |                        |               |            |
| Material<br>Inspector Comments: Concrete rubble dumped on waterward slope. |                          |              |                        |               |            |



Looking northeast at concrete rubble on waterward slope.

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>5.51</b>             | Rating **    | M                      | Issue No.     | <b>43</b> |
| LM End  | <b>5.53</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.381815 °            | 38.382137 °   |           |
|   |                         |              | -121.546058 °          | -121.546338 ° |           |
| DWR ID  | DWR_RD0999_05_s_2012_43 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Remove the wild growth other than native grasses from the levee slopes. |                         |              |                        |               |           |



Looking northeast at dense groundcover and vegetation on waterside slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>5.54</b>              | Rating **    | M  | Issue No.              | <b>172</b>    |
| LM End   | <b>5.54</b>              | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental             |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study     |              |    | 38.382153 °            | 38.382153 °   |
|  |                          |              |    | -121.546387 °          | -121.546387 ° |
| DWR ID   | DWR_RD0999_05_s_2014_172 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| Inspector Comments: FS_ID:16341<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Need to determine permit no. or remove. No pictures taken.<br>FIELD_STRUCT_DESC: 1-inch PVC irrigation line through the levee at unknown depth. Shutoff valves at hose bib on WS shoulder and in groundcover vegetation on LS slope.<br>FS Date: 6/28/2013 |                          |              |    |                        |               |

No Photos

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>5.55</b>             | Rating **    | M  | Issue No.              | <b>67</b>     |
| LM End   | <b>5.55</b>             | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Trim / Thin Trees       |              |    | 38.382454 °            | 38.382454 °   |
|  |                         |              |    | -121.546579 °          | -121.546579 ° |
| DWR ID   | DWR_RD0999_05_s_2012_67 |              |    |                        |               |
| Action/Comments                                      |                         |              |    |                        |               |
| Trim trees to at least five feet above ground level. |                         |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>5.57</b>             | Rating **    | M                      | Issue No.     | <b>68</b> |
| LM End   | <b>5.57</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.382553 °            | 38.382553 °   |           |
|  |                         |              | -121.546651 °          | -121.546651 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_68 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>5.57</b>             | Rating **    | M                      | Issue No.     | <b>70</b> |
| LM End   | <b>5.57</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.382698 °            | 38.382698 °   |           |
|  |                         |              | -121.546711 °          | -121.546711 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_70 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140310\_351.jpg



Looking southwest at untrimmed tree on waterside shoulder and slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>5.59</b>              | Rating **    | M  | Issue No.              | <b>173</b>    |
| LM End  | <b>5.59</b>              | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental             |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study     |              |    | 38.382820 °            | 38.382820 °   |
|   |                          |              |    | -121.546660 °          | -121.546660 ° |
| DWR ID  | DWR_RD0999_05_s_2014_173 |              |    |                        |               |
| Action/Comments   |                          |              |    |                        |               |
| Inspector Comments: FS_ID:15446<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe appears abandoned and should be done so appropriately.<br>FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 4-feet below the crown. Pumphouse and gate valve on the waterward slope. Vent on LS slope and a 42-inch concrete standpipe on LS toe. service pole on the landward slope with a 1.5-inch galvanized iron electrical conduit at same location. Originally included in the 1966 O&M manual.<br>FS Date: 6/28/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1332.jpg



Corrugated metal pumphouse on WS slope.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>5.59</b>             | Rating **    | U  | Issue No.              | <b>71</b>     |
| LM End  | <b>5.64</b>             | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Vegetation              |              |    | 38.382790 °            | 38.383548 °   |
|   |                         |              |    | -121.546754 °          | -121.546728 ° |
| DWR ID  | DWR_RD0999_05_s_2012_71 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |               |

Photo 1 of 1 : richard\_s\_20140310\_352.jpg



Looking northeast at dense vegetation on waterside slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                          |              |                        |               |            |
|--|--------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>5.67</b>              | Rating **    | M                      | Issue No.     | <b>192</b> |
| LM End   | <b>5.67</b>              | Issue Type + | Ma                     | Location *    | LS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|  |                          |              | Start                  | End           |            |
| Item   | Encroachments            |              | 38.383978 °            | 38.383978 °   |            |
|  |                          |              | -121.546435 °          | -121.546435 ° |            |
| DWR ID   | DWR_RD0999_05_s_2014_192 |              |                        |               |            |
| Action/Comments  |                          |              |                        |               |            |
| Prunings<br>Inspector Comments: Landowner pile prunings on landside slope. |                          |              |                        |               |            |

Photo 1 of 1 : richard\_s\_20140314\_460.jpg



Looking west at prunings on landward slope and toe.

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>5.90</b>             | Rating **    | M                      | Issue No.     | <b>48</b> |
| LM End  | <b>5.94</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.384718 °            | 38.384930 °   |           |
|   |                         |              | -121.542590 °          | -121.541883 ° |           |
| DWR ID  | DWR_RD0999_05_s_2012_48 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Remove the wild growth other than native grasses from the levee slopes. |                         |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>5.95</b>             | Rating **    | M                      | Issue No.     | <b>59</b> |
| LM End   | <b>5.95</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Animal Control          |              | 38.384867 °            | 38.384867 °   |           |
|  |                         |              | -121.541845 °          | -121.541845 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_59 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Exterminate rodents and backfill and compact or grout burrows. |                         |              |                        |               |           |

No Photos

|                   |
|-------------------|
| <b>* Location</b> |
| LS : Land Side    |
| WS : Water Side   |
| CR : Crown        |

|                          |   |
|--------------------------|---|
| <b>** Rating</b>         |   |
| A : Acceptable           | N : Not Inspected/Rated                 |
| M : Minimally Acceptable | C : Corrected                           |
| U : Unacceptable         | A/W : Acceptable but Monitor & Maintain |

|                                   |
|-----------------------------------|
| <b>+ Issue Type</b>               |
| Ma : Maintenance Deficiency       |
| Ob : Design & System Obsolescence |
| En : Enforcement                  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |    |                        |           |
|---|-------------------------|--------------|----|------------------------|-----------|
| LM Start  | <b>6.03</b>             | Rating **    | U  | Issue No.              | <b>39</b> |
| LM End  | <b>6.03</b>             | Issue Type + | Ma | Location *             | LS        |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |           |
|   |                         |              |    | Start                  | End       |
| Item  | Encroachments           |              |    |                        | o         |
|   |                         |              |    |                        | o         |
| DWR ID  | DWR_RD0999_05_s_2013_39 |              |    |                        |           |
| Action/Comments   |                         |              |    |                        |           |
| Tree or limb<br>Inspector Comments: Large downed trees and limbs on landside slope and toe. |                         |              |    |                        |           |

Photo 1 of 2 : richard\_s\_20140310\_337.jpg



Looking northwest at large tree limb on landside toe and slope.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>6.03</b> | Rating **    | U  | Issue No.  | <b>39 (cont)</b> |
| LM End   | <b>6.03</b> | Issue Type + | Ma | Location * | LS               |

Photo 2 of 2 : richard\_s\_20140310\_338.jpg



Looking west at large tree on landside slope and toe.

|                 |                          |              |    |                        |            |
|-----------------|--------------------------|--------------|----|------------------------|------------|
| LM Start        | <b>6.18</b>              | Rating **    | M  | Issue No.              | <b>140</b> |
| LM End          | <b>6.18</b>              | Issue Type + | En | Location *             | LS         |
| Category        | Earthen Levee            |              |    | GPS Latitude/Longitude |            |
|                 |                          |              |    | Start                  | End        |
| Item            | Encroachments            |              |    |                        | o          |
|                 |                          |              |    |                        | o          |
| DWR ID          | DWR_RD0999_05_s_2013_140 |              |    |                        |            |
| Action/Comments |                          |              |    |                        |            |
| Pipe            |                          |              |    |                        |            |

Photo 1 of 1 : richard\_s\_20140310\_389.jpg



Looking west at irrigation pipes on landside toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>6.20</b>             | Rating **    | M                      | Issue No.     | <b>60</b> |
| LM End   | <b>6.34</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.387825 °            | 38.389775 °   |           |
|  |                         |              | -121.542335 °          | -121.542687 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_60 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                         |              |                        |               |           |

No Photos

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>6.21</b>             | Rating **    | M                      | Issue No.     | <b>86</b> |
| LM End  | <b>6.21</b>             | Issue Type + | En                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Encroachments           |              | 38.388159 °            | 38.388159 °   |           |
|   |                         |              | -121.542646 °          | -121.542646 ° |           |
| DWR ID  | DWR_RD0999_05_f_2012_86 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Stairway<br>Inspector Comments: Landowner dug stairs into landside slope. |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140310\_359.jpg



Looking east at excavated stairs on landside slope

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>6.23</b>              | Rating **    | M  | Issue No.              | <b>174</b>    |
| LM End   | <b>6.23</b>              | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental             |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study     |              |    | 38.388151 °            | 38.388151 °   |
|  |                          |              |    | -121.542624 °          | -121.542624 ° |
| DWR ID   | DWR_RD0999_05_s_2014_174 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| Inspector Comments: FS_ID:16344<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 4-inch steel irrigation pipe through the levee 1.5-feet below the crown. Pump on WS. Filter, booster, and vent on LS toe. JP on WS shoulder.<br>FS Date: 7/10/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1480.jpg



Pipe visible on LS slope with filter plant in background.

|                 |                          |              |     |                        |               |
|-----------------|--------------------------|--------------|-----|------------------------|---------------|
| LM Start        | <b>6.23</b>              | Rating **    | A/W | Issue No.              | <b>100</b>    |
| LM End          | <b>6.34</b>              | Issue Type + | En  | Location *             | WS            |
| Category        | Earthen Levee            |              |     | GPS Latitude/Longitude |               |
|                 |                          |              |     | Start                  | End           |
| Item            | Encroachments            |              |     | 38.388165 °            | 38.389695 °   |
|                 |                          |              |     | -121.542647 °          | -121.542778 ° |
| DWR ID          | DWR_RD0999_05_s_2012_100 |              |     |                        |               |
| Action/Comments |                          |              |     |                        |               |
| Prunings        |                          |              |     |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>6.23</b>              | Rating **    | M  | Issue No.              | <b>175</b>    |
| LM End  | <b>6.23</b>              | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental             |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study     |              |    | 38.388175 °            | 38.388175 °   |
|   |                          |              |    | -121.542622 °          | -121.542622 ° |
| DWR ID  | DWR_RD0999_05_s_2014_175 |              |    |                        |               |
| Action/Comments   |                          |              |    |                        |               |
| Inspector Comments: FS_ID:15600<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe appears abandoned and is open on both ends. Pipe should be abandoned properly.<br>FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee 6-feet below the crown. Evidence of Pump, gate valve on the WS toe along with a service pole. Evidence of a 36-inch standpipe at the landward toe. Originally included in the 1966 O&M manual.<br>FS Date: 7/10/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1347.jpg



6-inch steel pipe on LS slope with evidence of 36-inch standpipe in background.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>6.30</b>             | Rating **    | M  | Issue No.              | <b>74</b>     |
| LM End  | <b>6.34</b>             | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Trim / Thin Trees       |              |    | 38.389116 °            | 38.389766 °   |
|   |                         |              |    | -121.542986 °          | -121.542673 ° |
| DWR ID  | DWR_RD0999_05_s_2012_74 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Trim and thin trees to allow visibility of the ground and room to flood fight.<br>Inspector Comments: Prunings are outside the twenty foot zone should be burned or removed from waterward slope. |                         |              |    |                        |               |

Photo 1 of 1 : richard\_s\_20140310\_354.jpg



Looking southeast at prunings on waterward slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                                       |              |     |                        |               |
|---|---------------------------------------|--------------|-----|------------------------|---------------|
| LM Start  | <b>6.30</b>                           | Rating **    | A/W | Issue No.              | <b>115</b>    |
| LM End  | <b>6.34</b>                           | Issue Type + | Ma  | Location *             | CR            |
| Category  | Earthen Levee                         |              |     | GPS Latitude/Longitude |               |
|   |                                       |              |     | Start                  | End           |
| Item  | Crown Surface / Depressions / Rutting |              |     | 38.389182 °            | 38.389725 °   |
|   |                                       |              |     | -121.542982 °          | -121.542732 ° |
| DWR ID  | DWR_RD0999_05_s_2012_115              |              |     |                        |               |
| Action/Comments                                   |                                       |              |     |                        |               |
| Repair depressions or ruts in the crown or slope. |                                       |              |     |                        |               |

No Photos

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>6.35</b>             | Rating **    | M  | Issue No.              | <b>90</b>     |
| LM End  | <b>6.35</b>             | Issue Type + | Ma | Location *             | CR            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Repair Gates            |              |    | 38.389851 °            | 38.389851 °   |
|   |                         |              |    | -121.542583 °          | -121.542583 ° |
| DWR ID  | DWR_RD0999_05_f_2012_90 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Inspector Comments: Gate should be repaired or removed. |                         |              |    |                        |               |

Photo 1 of 1 : richard\_s\_20140310\_360.jpg



Looking northwest at damaged gate on levee crown.

|  |                          |              |    |                        |            |
|--|--------------------------|--------------|----|------------------------|------------|
| LM Start   | <b>6.38</b>              | Rating **    | M  | Issue No.              | <b>155</b> |
| LM End   | <b>6.38</b>              | Issue Type + | En | Location *             | LS         |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |            |
|  |                          |              |    | Start                  | End        |
| Item   | Encroachments            |              |    |                        |            |
|  |                          |              |    |                        |            |
| DWR ID   | DWR_RD0999_05_f_2013_155 |              |    |                        |            |
| Action/Comments  |                          |              |    |                        |            |
| Ramp<br>Inspector Comments: Unauthorized ramp on landward slope. |                          |              |    |                        |            |

Photo 1 of 1 : richard\_s\_20140310\_401.jpg



Looking southwest at ramp on landward slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>6.44</b>             | Rating **    | A/W                    | Issue No.     | <b>75</b> |
| LM End   | <b>6.52</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.390541 °            | 38.391396 °   |           |
|  |                         |              | -121.541360 °          | -121.540038 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_75 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                         |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>6.52</b>             | Rating **    | M                      | Issue No.     | <b>97</b> |
| LM End   | <b>6.66</b>             | Issue Type + | En                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Encroachments           |              | 38.391317 °            | 38.391883 °   |           |
|  |                         |              | -121.540168 °          | -121.539174 ° |           |
| DWR ID   | DWR_RD0999_05_f_2012_97 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Tree or limb<br>Inspector Comments: Landowner planted trees on landside slope. |                         |              |                        |               |           |

Photo 1 of 2 : richard\_s\_20140310\_376.jpg



Looking northwest at newly planted trees on landside slope.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>6.52</b> | Rating **    | M  | Issue No.  | <b>97 (cont)</b> |
| LM End   | <b>6.66</b> | Issue Type + | En | Location * | LS               |

Photo 2 of 2 : richard\_s\_20140310\_377.jpg



Looking west at newly planted tree on landside slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                                 |                          |              |    |                        |               |
|---------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start                        | <b>6.57</b>              | Rating **    | M  | Issue No.              | <b>176</b>    |
| LM End                          | <b>6.57</b>              | Issue Type + | En | Location *             | LS            |
| Category                        | Supplemental             |              |    | GPS Latitude/Longitude |               |
|                                 |                          |              |    | Start                  | End           |
| Item                            | DWR UCIP Field Study     |              |    | 38.391722 °            | 38.391722 °   |
|                                 |                          |              |    | -121.539441 °          | -121.539441 ° |
| DWR ID                          | DWR_RD0999_05_s_2014_176 |              |    |                        |               |
| Action/Comments                 |                          |              |    |                        |               |
| Inspector Comments: FS_ID:15604 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1350.jpg



Concrete pump pit on WS slope.

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>6.58</b>             | Rating **    | M  | Issue No.              | <b>92</b>     |
| LM End          | <b>6.58</b>             | Issue Type + | Ma | Location *             | LS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Encroachments           |              |    | 38.391776 °            | 38.391776 °   |
|                 |                         |              |    | -121.539295 °          | -121.539295 ° |
| DWR ID          | DWR_RD0999_05_s_2012_92 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Prunings        |                         |              |    |                        |               |

Photo 1 of 1 : richard\_s\_20140314\_461.jpg



Looking east prunings on landward slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>6.66</b>              | Rating **    | M  | Issue No.              | <b>177</b>    |
| LM End   | <b>6.66</b>              | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental             |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study     |              |    | 38.392788 °            | 38.392788 °   |
|  |                          |              |    | -121.539047 °          | -121.539047 ° |
| DWR ID   | DWR_RD0999_05_s_2014_177 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| Inspector Comments: FS_ID:16342<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Need to determine Permit No. for this crossing.<br>FIELD_STRUCT_DESC: 8-inch aluminum irrigation pipe over the crown-pipe blocks crown when in use. Portable pump on WS toe.<br>FS Date: 7/10/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1478.jpg



Portable pump on WS toe.

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>6.72</b>              | Rating **    | M  | Issue No.              | <b>132</b>    |
| LM End   | <b>6.72</b>              | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Encroachments            |              |    | 38.393578 °            | 38.393578 °   |
|  |                          |              |    | -121.539295 °          | -121.539295 ° |
| DWR ID   | DWR_RD0999_05_f_2012_132 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| Ramp<br>Inspector Comments: Landowner installed ramp on landside slope without permit. |                          |              |    |                        |               |

Photo 1 of 1 : richard\_s\_20140310\_385.jpg



Looking east at unauthorized ramp on landside slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>6.78</b>             | Rating **    | U                      | Issue No.     | <b>93</b> |
| LM End          | <b>6.81</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Vegetation              |              | 38.394491 °            | 38.394991 °   |           |
|                 |                         |              | -121.539427 °          | -121.539333 ° |           |
| DWR ID          | DWR_RD0999_05_s_2012_93 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Landscaping     |                         |              |                        |               |           |

Photo 1 of 1 : richard\_s\_20140310\_365.jpg



Looking north at overgrown landscape on landside slope and toe.

|                 |                          |              |                        |            |            |
|-----------------|--------------------------|--------------|------------------------|------------|------------|
| LM Start        | <b>6.79</b>              | Rating **    | A/W                    | Issue No.  | <b>141</b> |
| LM End          | <b>6.79</b>              | Issue Type + | Ma                     | Location * | WS         |
| Category        | Earthen Levee            |              | GPS Latitude/Longitude |            |            |
|                 |                          |              | Start                  | End        |            |
| Item            | Encroachments            |              |                        |            |            |
|                 |                          |              |                        |            |            |
| DWR ID          | DWR_RD0999_05_s_2013_141 |              |                        |            |            |
| Action/Comments |                          |              |                        |            |            |
| Prunings        |                          |              |                        |            |            |

No Photos

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>6.83</b>             | Rating **    | M                      | Issue No.     | <b>96</b> |
| LM End  | <b>6.83</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Encroachments           |              | 38.395234 °            | 38.395234 °   |           |
|   |                         |              | -121.539323 °          | -121.539323 ° |           |
| DWR ID  | DWR_RD0999_05_s_2012_96 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Material<br>Inspector Comments: Firewood and other material on landside shoulder. |                         |              |                        |               |           |

Photo 1 of 4 : richard\_s\_20140310\_373.jpg



Looking north at firewood and other material on landside shoulder and crown.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |    |                        |                  |
|---|-------------------------|--------------|----|------------------------|------------------|
| LM Start  | <b>6.83</b>             | Rating **    | M  | Issue No.              | <b>96 (cont)</b> |
| LM End  | <b>6.83</b>             | Issue Type + | Ma | Location *             | LS               |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |                  |
|   |                         |              |    | Start                  | End              |
| Item  | Encroachments           |              |    | 38.395234 °            | 38.395234 °      |
|   |                         |              |    | -121.539323 °          | -121.539323 °    |
| DWR ID  | DWR_RD0999_05_s_2012_96 |              |    |                        |                  |
| Action/Comments   |                         |              |    |                        |                  |
| Material  |                         |              |    |                        |                  |
| Inspector Comments: Firewood and other material on landside shoulder. |                         |              |    |                        |                  |

Photo 2 of 4 : richard\_s\_20140310\_374.jpg



Looking south at firewood and other material on landside shoulder and crown.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>6.83</b> | Rating **    | M  | Issue No.  | <b>96 (cont)</b> |
| LM End   | <b>6.83</b> | Issue Type + | Ma | Location * | LS               |

Photo 3 of 4 : richard\_s\_20140310\_375.jpg



Looking northeast at firewood and other material on landside shoulder. (Spring 2012)

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>6.83</b> | Rating **    | M  | Issue No.  | <b>96 (cont)</b> |
| LM End   | <b>6.83</b> | Issue Type + | Ma | Location * | LS               |

Photo 4 of 4 : richard\_s\_20140310\_372.jpg



Fence, firewood and material at landside shoulder.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                          |              |    |                        |            |
|-----------------|--------------------------|--------------|----|------------------------|------------|
| LM Start        | <b>6.88</b>              | Rating **    | M  | Issue No.              | <b>156</b> |
| LM End          | <b>6.90</b>              | Issue Type + | En | Location *             | LS         |
| Category        | Earthen Levee            |              |    | GPS Latitude/Longitude |            |
|                 |                          |              |    | Start                  | End        |
| Item            | Encroachments            |              |    |                        | o          |
|                 |                          |              |    |                        | o          |
| DWR ID          | DWR_RD0999_05_f_2013_156 |              |    |                        |            |
| Action/Comments |                          |              |    |                        |            |
| Equipment       |                          |              |    |                        |            |

Photo 1 of 2 : richard\_s\_20140310\_402.jpg



Looking north at farm equipment on landward shoulder.

|          |             |              |    |            |                   |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | <b>6.88</b> | Rating **    | M  | Issue No.  | <b>156 (cont)</b> |
| LM End   | <b>6.90</b> | Issue Type + | En | Location * | LS                |

Photo 2 of 2 : richard\_s\_20140310\_403.jpg



Looking south at farm equipment on landward shoulder.

|                 |                          |              |    |                        |            |
|-----------------|--------------------------|--------------|----|------------------------|------------|
| LM Start        | <b>6.92</b>              | Rating **    | M  | Issue No.              | <b>157</b> |
| LM End          | <b>6.92</b>              | Issue Type + | En | Location *             | WS         |
| Category        | Earthen Levee            |              |    | GPS Latitude/Longitude |            |
|                 |                          |              |    | Start                  | End        |
| Item            | Encroachments            |              |    |                        | o          |
|                 |                          |              |    |                        | o          |
| DWR ID          | DWR_RD0999_05_f_2013_157 |              |    |                        |            |
| Action/Comments |                          |              |    |                        |            |
| Material        |                          |              |    |                        |            |

Photo 1 of 1 : richard\_s\_20140310\_404.jpg



Looking northeast at pallets of bricks store on waterward shoulder.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                          |              |     |                        |            |
|--|--------------------------|--------------|-----|------------------------|------------|
| LM Start   | <b>7.06</b>              | Rating **    | A/W | Issue No.              | <b>142</b> |
| LM End   | <b>7.06</b>              | Issue Type + | Ma  | Location *             | LS         |
| Category   | Earthen Levee            |              |     | GPS Latitude/Longitude |            |
|  |                          |              |     | Start                  | End        |
| Item   | Encroachments            |              |     |                        | °          |
|  |                          |              |     | °                      | °          |
| DWR ID   | DWR_RD0999_05_s_2013_142 |              |     |                        |            |
| Action/Comments  |                          |              |     |                        |            |
| Prunings<br>Inspector Comments: Large pruning pile on landward shoulder and slope. |                          |              |     |                        |            |

Photo 1 of 1 : richard\_s\_20140310\_390.jpg



Looking northeast at large prunings on landward slope.

|                 |                          |              |     |                        |               |
|-----------------|--------------------------|--------------|-----|------------------------|---------------|
| LM Start        | <b>7.57</b>              | Rating **    | A/W | Issue No.              | <b>116</b>    |
| LM End          | <b>7.57</b>              | Issue Type + | Ma  | Location *             | WS            |
| Category        | Earthen Levee            |              |     | GPS Latitude/Longitude |               |
|                 |                          |              |     | Start                  | End           |
| Item            | Encroachments            |              |     | 38.403443 °            | 38.403443 °   |
|                 |                          |              |     | -121.540007 °          | -121.540007 ° |
| DWR ID          | DWR_RD0999_05_s_2012_116 |              |     |                        |               |
| Action/Comments |                          |              |     |                        |               |
| Prunings        |                          |              |     |                        |               |

No Photos

|  |
|--|
| <b>* Location</b><br>LS : Land Side<br>WS : Water Side<br>CR : Crown |
|--|

|  |  |
|--|--|
| <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | <b>N</b> : Not Inspected/Rated<br><b>C</b> : Corrected<br><b>A/W</b> : Acceptable but Monitor & Maintain |
|--|--|

|   |
|---|
| <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>7.63</b>              | Rating **    | M  | Issue No.              | <b>178</b>    |
| LM End  | <b>7.63</b>              | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental             |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study     |              |    | 38.403744 °            | 38.403744 °   |
|   |                          |              |    | -121.540713 °          | -121.540713 ° |
| DWR ID  | DWR_RD0999_05_s_2014_178 |              |    |                        |               |
| Action/Comments   |                          |              |    |                        |               |
| Inspector Comments: FS_ID:15617<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe abandoned and open on both ends. Concrete pump pit foundation undermined at WS toe. Pipe should be abandoned properly<br>FIELD_STRUCT_DESC: *Abandoned* 14-inch steel irrigation pipe through the levee 4.8 feet below the crown. Abandoned 9'X14' concrete pump pit on waterward slope. Pipe open at both ends. Originally included in the 1966 O&M manual.<br>FS Date: 7/10/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1354.jpg



Concrete pump pit on WS toe.

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>7.65</b>             | Rating **    | U  | Issue No.              | <b>66</b>     |
| LM End          | <b>7.69</b>             | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Vegetation              |              |    | 38.403895 °            | 38.404145 °   |
|                 |                         |              |    | -121.541113 °          | -121.541835 ° |
| DWR ID          | DWR_RD0999_05_s_2012_66 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Landscaping     |                         |              |    |                        |               |

Photo 1 of 2 : richard\_s\_20140310\_349.jpg



Landscaping on landside slope blocking view of slope from LM 7.65 to 7.72

|  |  |   |
|--|--|---|
| <p><b>* Location</b><br/>LS : Land Side<br/>WS : Water Side<br/>CR : Crown</p> | <p><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 &amp; Maintain</p> | <p><b>+ Issue Type</b><br/>Ma : Maintenance Deficiency<br/>Ob : Design &amp; System Obsolescence<br/>En : Enforcement</p> |
|--|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                         |              |    |                        |                  |
|-----------------|-------------------------|--------------|----|------------------------|------------------|
| LM Start        | <b>7.65</b>             | Rating **    | U  | Issue No.              | <b>66 (cont)</b> |
| LM End          | <b>7.69</b>             | Issue Type + | En | Location *             | LS               |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |                  |
|                 |                         |              |    | Start                  | End              |
| Item            | Vegetation              |              |    | 38.403895 °            | 38.404145 °      |
|                 |                         |              |    | -121.541113 °          | -121.541835 °    |
| DWR ID          | DWR_RD0999_05_s_2012_66 |              |    |                        |                  |
| Action/Comments |                         |              |    |                        |                  |
| Landscaping     |                         |              |    |                        |                  |

Photo 2 of 2 : richard\_s\_20140310\_350.jpg



Looking east at overgrown landscape on landside slope.

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>7.66</b>             | Rating **    | M  | Issue No.              | <b>99</b>     |
| LM End          | <b>7.68</b>             | Issue Type + | En | Location *             | WS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Encroachments           |              |    | 38.403808 °            | 38.403976 °   |
|                 |                         |              |    | -121.541354 °          | -121.541661 ° |
| DWR ID          | DWR_RD0999_05_s_2012_99 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Fence           |                         |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>7.68</b>              | Rating **    | M  | Issue No.              | <b>179</b>    |
| LM End  | <b>7.68</b>              | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental             |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study     |              |    | 38.403993 °            | 38.403993 °   |
|   |                          |              |    | -121.541626 °          | -121.541626 ° |
| DWR ID  | DWR_RD0999_05_s_2014_179 |              |    |                        |               |
| Action/Comments   |                          |              |    |                        |               |
| Inspector Comments: FS_ID:15624<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Annular space needs to be grouted between the 12 and 14-inch pipes.<br>FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through the levee 7.0 feet below the crown. 12-inch pipe sleeved through 14-inch pipe. Annular space not grouted. 36-inch concrete standpipe on LS toe. Originally included in the 1966 O&M manual.<br>FS Date: 7/10/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1356.jpg



Pump on metal pier with walkway at WS toe

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>7.70</b>              | Rating **    | M  | Issue No.              | <b>193</b>    |
| LM End   | <b>7.70</b>              | Issue Type + | En | Location *             | WS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Encroachments            |              |    | 38.404135 °            | 38.404135 °   |
|  |                          |              |    | -121.541878 °          | -121.541878 ° |
| DWR ID   | DWR_RD0999_05_s_2014_193 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| Tree or limb<br>Inspector Comments: Downed tree on waterward shoulder. |                          |              |    |                        |               |

Photo 1 of 1 : richard\_s\_20140314\_462.jpg



Looking east at downed tree on waterward shoulder.

|  |  |   |
|--|--|---|
| <p><b>* Location</b><br/>LS : Land Side<br/>WS : Water Side<br/>CR : Crown</p> | <p><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 &amp; Maintain</p> | <p><b>+ Issue Type</b><br/>Ma : Maintenance Deficiency<br/>Ob : Design &amp; System Obsolescence<br/>En : Enforcement</p> |
|--|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               |  |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|--|--|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough |  |  | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>7.78</b>              | Rating **    | M  | Issue No.              | <b>180</b>    |
| LM End  | <b>7.78</b>              | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental             |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study     |              |    | 38.404865 °            | 38.404865 °   |
|   |                          |              |    | -121.543079 °          | -121.543079 ° |
| DWR ID  | DWR_RD0999_05_s_2014_180 |              |    |                        |               |
| <b>Action/Comments</b>  |                          |              |    |                        |               |
| Inspector Comments: FS_ID:15742<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Unable to locate, but good location as there are sprinklers on both sides of the crown. Need to determine disposition of pipe.<br>FIELD_STRUCT_DESC: 3-inch pipe through levee 11.3 feet below crown. Gate valve on landward slope. Sprinklers located on both sopes of levee. Location verified by electromagnetic survey. Originally included in the 1966 O&M manual.<br>FS Date: 7/10/2013 |                          |              |    |                        |               |

No Photos

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>7.89</b>              | Rating **    | M  | Issue No.              | <b>181</b>    |
| LM End  | <b>7.89</b>              | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental             |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study     |              |    | 38.406221 °            | 38.406221 °   |
|   |                          |              |    | -121.543609 °          | -121.543609 ° |
| DWR ID  | DWR_RD0999_05_s_2014_181 |              |    |                        |               |
| <b>Action/Comments</b>  |                          |              |    |                        |               |
| Inspector Comments: FS_ID:15643<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Unable to access property. Need to verify disposition of pipe.<br>FIELD_STRUCT_DESC: 12-inch pipe through levee 4.0 feet below crown. Pump house on the waterward slope, service pole on the levee crown. Originally included in the 1966 O&M manual.<br>FS Date: 7/10/2013 |                          |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>8.16</b>             | Rating **    | M                      | Issue No.     | <b>81</b> |
| LM End          | <b>8.16</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.409282 °            | 38.409282 °   |           |
|                 |                         |              | -121.541241 °          | -121.541241 ° |           |
| DWR ID          | DWR_RD0999_05_s_2012_81 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Prunings        |                         |              |                        |               |           |

No Photos

|   |                          |              |                        |               |            |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start  | <b>8.17</b>              | Rating **    | M                      | Issue No.     | <b>182</b> |
| LM End  | <b>8.17</b>              | Issue Type + | En                     | Location *    | LS         |
| Category  | Supplemental             |              | GPS Latitude/Longitude |               |            |
|   |                          |              | Start                  | End           |            |
| Item  | DWR UCIP Field Study     |              | 38.409421 °            | 38.409421 °   |            |
|   |                          |              | -121.541006 °          | -121.541006 ° |            |
| DWR ID  | DWR_RD0999_05_s_2014_182 |              |                        |               |            |
| Action/Comments   |                          |              |                        |               |            |
| Inspector Comments: FS_ID:15683<br>EP_NO: 13463<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe exposed in excavation on LS shoulder at what may be a leak.<br>FIELD_STRUCT_DESC: 12-inch pipe through the levee 2.5-feet below the crown. Pump on pile structure with walkway on WS toe. 12-inch PVC standpipe on LS toe next to filter plant and shed. (Permit No. 13463, 1982). 1.5-inch PVC electrical conduit at same location. This pipe replaced an existing 8-inch pipe that was grouted in place.<br>FS Date: 7/10/2013 |                          |              |                        |               |            |

Photo 1 of 1 : UCIP\_1367.jpg



Pump on metal pier with walkway on WS slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>8.18</b>              | Rating **    | M  | Issue No.              | <b>183</b>    |
| LM End   | <b>8.18</b>              | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental             |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study     |              |    | 38.409439 °            | 38.409439 °   |
|  |                          |              |    | -121.540928 °          | -121.540928 ° |
| DWR ID   | DWR_RD0999_05_s_2014_183 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| Inspector Comments: FS_ID:15663<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: *Abandoned* 14-inch pipe through levee 14.4 feet below crown. Gate valve at pump in Concrete pit under pumphouse on WS slope. Originally included in the 1966 O&M manual.<br>FS Date: 7/10/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1361.jpg



Concrete pumphouse on WS slope.

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>8.18</b>              | Rating **    | M  | Issue No.              | <b>184</b>    |
| LM End   | <b>8.18</b>              | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental             |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study     |              |    | 38.409487 °            | 38.409487 °   |
|  |                          |              |    | -121.540833 °          | -121.540833 ° |
| DWR ID   | DWR_RD0999_05_s_2014_184 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| Inspector Comments: FS_ID:15664<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe appears abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: 2-inch galvanized iron domestic water pipe through the levee 12.5 feet below the crown. Gate valve and domestic pressure system in pump house on the waterward slope. Originally included in the 1966 O&M manual.<br>FS Date: 7/10/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1364.jpg



Pipe visible inside pumphouse on WS slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>8.19</b>             | Rating **    | M                      | Issue No.     | <b>87</b> |
| LM End          | <b>8.22</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Vegetation              |              | 38.409532 °            | 38.409760 °   |           |
|                 |                         |              | -121.540667 °          | -121.540080 ° |           |
| DWR ID          | DWR_RD0999_05_s_2012_87 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Landscaping     |                         |              |                        |               |           |

No Photos

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>8.19</b>             | Rating **    | A/W                    | Issue No.     | <b>88</b> |
| LM End          | <b>8.19</b>             | Issue Type + | En                     | Location *    | WS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.409532 °            | 38.409532 °   |           |
|                 |                         |              | -121.540665 °          | -121.540665 ° |           |
| DWR ID          | DWR_RD0999_05_s_2012_88 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Prunings        |                         |              |                        |               |           |

No Photos

|   |  |  |
|---|--|--|
| <p><b>* Location</b><br/>                 LS : Land Side<br/>                 WS : Water Side<br/>                 CR : Crown</p> | <p><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 &amp; Maintain</p> | <p><b>+ Issue Type</b><br/>                 Ma : Maintenance Deficiency<br/>                 Ob : Design &amp; System Obsolescence<br/>                 En : Enforcement</p> |
|---|--|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>8.23</b>              | Rating **    | M  | Issue No.              | <b>185</b>    |
| LM End   | <b>8.23</b>              | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental             |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study     |              |    | 38.409749 °            | 38.409749 °   |
|  |                          |              |    | -121.540079 °          | -121.540079 ° |
| DWR ID   | DWR_RD0999_05_s_2014_185 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| Inspector Comments: FS_ID:15685<br>EP_NO: 4851<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Pipe appears to be abandoned and should be done so properly.<br>FIELD_STRUCT_DESC: 8-inch pipe through levee 6.2 feet below crown. Gate valve in pump house on the waterward slope, service pole on both slopes (Permit No 4851, 1965). Originally included in the 1966 O&M manual.<br>FS Date: 7/10/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1371.jpg



Pumphouse/concrete headwall on WS slopt.

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>8.27</b>              | Rating **    | M  | Issue No.              | <b>117</b>    |
| LM End   | <b>8.27</b>              | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Trim / Thin Trees        |              |    | 38.409855 °            | 38.409855 °   |
|  |                          |              |    | -121.539382 °          | -121.539382 ° |
| DWR ID   | DWR_RD0999_05_s_2012_117 |              |    |                        |               |
| Action/Comments                                      |                          |              |    |                        |               |
| Trim trees to at least five feet above ground level. |                          |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                          |              |                        |               |            |
|-----------------|--------------------------|--------------|------------------------|---------------|------------|
| LM Start        | <b>8.30</b>              | Rating **    | A/W                    | Issue No.     | <b>133</b> |
| LM End          | <b>8.30</b>              | Issue Type + | En                     | Location *    | LS         |
| Category        | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|                 |                          |              | Start                  | End           |            |
| Item            | Encroachments            |              | 38.409846 °            | 38.409846 °   |            |
|                 |                          |              | -121.538828 °          | -121.538828 ° |            |
| DWR ID          | DWR_RD0999_05_f_2012_133 |              |                        |               |            |
| Action/Comments |                          |              |                        |               |            |
| Prunings        |                          |              |                        |               |            |

No Photos

|  |                          |              |                        |               |            |
|--|--------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>8.36</b>              | Rating **    | A/W                    | Issue No.     | <b>118</b> |
| LM End   | <b>8.36</b>              | Issue Type + | Ma                     | Location *    | WS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|  |                          |              | Start                  | End           |            |
| Item   | Trim / Thin Trees        |              | 38.409665 °            | 38.409665 °   |            |
|  |                          |              | -121.537898 °          | -121.537898 ° |            |
| DWR ID   | DWR_RD0999_05_s_2012_118 |              |                        |               |            |
| Action/Comments                                      |                          |              |                        |               |            |
| Trim trees to at least five feet above ground level. |                          |              |                        |               |            |

No Photos

|                 |                          |              |                        |               |            |
|-----------------|--------------------------|--------------|------------------------|---------------|------------|
| LM Start        | <b>8.37</b>              | Rating **    | A/W                    | Issue No.     | <b>119</b> |
| LM End          | <b>8.37</b>              | Issue Type + | Ma                     | Location *    | WS         |
| Category        | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|                 |                          |              | Start                  | End           |            |
| Item            | Encroachments            |              | 38.409580 °            | 38.409580 °   |            |
|                 |                          |              | -121.537587 °          | -121.537587 ° |            |
| DWR ID          | DWR_RD0999_05_s_2012_119 |              |                        |               |            |
| Action/Comments |                          |              |                        |               |            |
| Prunings        |                          |              |                        |               |            |

No Photos

|                   |
|-------------------|
| <b>* Location</b> |
| LS : Land Side    |
| WS : Water Side   |
| CR : Crown        |

|                          |   |
|--------------------------|---|
| <b>** Rating</b>         |   |
| A : Acceptable           | N : Not Inspected/Rated                 |
| M : Minimally Acceptable | C : Corrected                           |
| U : Unacceptable         | A/W : Acceptable but Monitor & Maintain |

|                                   |
|-----------------------------------|
| <b>+ Issue Type</b>               |
| Ma : Maintenance Deficiency       |
| Ob : Design & System Obsolescence |
| En : Enforcement                  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                          |              |                        |               |            |
|--|--------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>8.40</b>              | Rating **    | A/W                    | Issue No.     | <b>120</b> |
| LM End   | <b>8.45</b>              | Issue Type + | Ma                     | Location *    | LS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|  |                          |              | Start                  | End           |            |
| Item   | Trim / Thin Trees        |              | 38.409467 °            | 38.409145 °   |            |
|  |                          |              | -121.537157 °          | -121.536390 ° |            |
| DWR ID   | DWR_RD0999_05_s_2012_120 |              |                        |               |            |
| Action/Comments                                      |                          |              |                        |               |            |
| Trim trees to at least five feet above ground level. |                          |              |                        |               |            |

No Photos

|   |                          |              |                        |               |            |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start  | <b>8.40</b>              | Rating **    | M                      | Issue No.     | <b>144</b> |
| LM End  | <b>8.40</b>              | Issue Type + | En                     | Location *    | WS         |
| Category  | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|   |                          |              | Start                  | End           |            |
| Item  | Encroachments            |              | 38.409450 °            | 38.409450 °   |            |
|   |                          |              | -121.537066 °          | -121.537066 ° |            |
| DWR ID  | DWR_RD0999_05_s_2014_144 |              |                        |               |            |
| Action/Comments   |                          |              |                        |               |            |
| Pipe<br>Inspector Comments: PVC pipes stored on waterward shoulder. |                          |              |                        |               |            |

Photo 1 of 1 : richard\_s\_20140314\_463.jpg



Looking south at pvc pipes on waterward shoulder and slope.

|  |                          |              |                        |               |            |
|--|--------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>8.43</b>              | Rating **    | M                      | Issue No.     | <b>194</b> |
| LM End   | <b>8.44</b>              | Issue Type + | Ma                     | Location *    | LS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|  |                          |              | Start                  | End           |            |
| Item   | Trim / Thin Trees        |              | 38.409306 °            | 38.409184 °   |            |
|  |                          |              | -121.536714 °          | -121.536436 ° |            |
| DWR ID   | DWR_RD0999_05_s_2014_194 |              |                        |               |            |
| Action/Comments                                      |                          |              |                        |               |            |
| Trim trees to at least five feet above ground level. |                          |              |                        |               |            |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>8.43</b>              | Rating **    | M  | Issue No.              | <b>186</b>    |
| LM End  | <b>8.43</b>              | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental             |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study     |              |    | 38.409264 °            | 38.409264 °   |
|   |                          |              |    | -121.536659 °          | -121.536659 ° |
| DWR ID  | DWR_RD0999_05_s_2014_186 |              |    |                        |               |
| Action/Comments   |                          |              |    |                        |               |
| Inspector Comments: FS_ID:15686<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Type of pipe abandonment needs to be verified.<br>FIELD_STRUCT_DESC: *Abandoned* 8-inch pipe through levee 11.7 feet below crown, no control valves. 1.5-inch galvanized iron electrical conduit found on WS slope at oak tree. 8-inch Pipe debris visible on WS slope. Originally included in the 1966 O&M manual.<br>FS Date: 7/10/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1374.jpg



8-inch pipe debris with 1.5-inch electrical conduit visible in background on WS slope.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>8.45</b>             | Rating **    | M  | Issue No.              | <b>69</b>     |
| LM End   | <b>9.61</b>             | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Animal Control          |              |    | 38.409445 °            | 38.413717 °   |
|  |                         |              |    | -121.536980 °          | -121.523813 ° |
| DWR ID   | DWR_RD0999_05_s_2012_69 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| Exterminate rodents and backfill and compact or grout burrows. |                         |              |    |                        |               |

No Photos

|  |
|--|
| <b>* Location</b><br>LS : Land Side<br>WS : Water Side<br>CR : Crown |
|--|

|  |  |
|--|--|
| <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | <b>N</b> : Not Inspected/Rated<br><b>C</b> : Corrected<br><b>A/W</b> : Acceptable but Monitor & Maintain |
|--|--|

|   |
|---|
| <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>8.50</b>             | Rating **    | A/W                    | Issue No.     | <b>89</b> |
| LM End  | <b>8.50</b>             | Issue Type + | En                     | Location *    | WS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Encroachments           |              | 38.408763 °            | 38.408763 °   |           |
|   |                         |              | -121.535609 °          | -121.535609 ° |           |
| DWR ID  | DWR_RD0999_05_s_2012_89 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Prunings<br>Inspector Comments: Garbage within prunings pile. |                         |              |                        |               |           |

No Photos

|   |                          |              |                        |               |            |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start  | <b>8.57</b>              | Rating **    | M                      | Issue No.     | <b>101</b> |
| LM End  | <b>8.61</b>              | Issue Type + | En                     | Location *    | LS         |
| Category  | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|   |                          |              | Start                  | End           |            |
| Item  | Encroachments            |              | 38.408586 °            | 38.408748 °   |            |
|   |                          |              | -121.534992 °          | -121.534437 ° |            |
| DWR ID  | DWR_RD0999_05_s_2012_101 |              |                        |               |            |
| Action/Comments   |                          |              |                        |               |            |
| Fence<br>Inspector Comments: Fence installed without CVFPB permit in 2008.<br>Fence extends from landside toe to landside shoulder. |                          |              |                        |               |            |

Photo 1 of 1 : richard\_s\_20140310\_378.jpg



New installed unauthorized fence at landside slope and shoulder.

|   |                          |              |                        |               |            |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start  | <b>8.57</b>              | Rating **    | A/W                    | Issue No.     | <b>106</b> |
| LM End  | <b>8.57</b>              | Issue Type + | En                     | Location *    | LS         |
| Category  | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|   |                          |              | Start                  | End           |            |
| Item  | Trim / Thin Trees        |              | 38.408688 °            | 38.408688 °   |            |
|   |                          |              | -121.534367 °          | -121.534367 ° |            |
| DWR ID  | DWR_RD0999_05_s_2012_106 |              |                        |               |            |
| Action/Comments   |                          |              |                        |               |            |
| Trim trees over roadway to at least 12 feet above ground level. |                          |              |                        |               |            |

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                          |              |                        |               |            |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start  | <b>8.62</b>              | Rating **    | A/W                    | Issue No.     | <b>102</b> |
| LM End  | <b>8.65</b>              | Issue Type + | En                     | Location *    | LS         |
| Category  | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|   |                          |              | Start                  | End           |            |
| Item  | Trim / Thin Trees        |              | 38.409116 °            | 38.409500 °   |            |
|   |                          |              | -121.533738 °          | -121.533443 ° |            |
| DWR ID  | DWR_RD0999_05_s_2012_102 |              |                        |               |            |
| Action/Comments   |                          |              |                        |               |            |
| Trim trees over roadway to at least 12 feet above ground level. |                          |              |                        |               |            |

No Photos

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>8.64</b>             | Rating **    | A/W                    | Issue No.     | <b>78</b> |
| LM End  | <b>8.64</b>             | Issue Type + | En                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.409378 °            | 38.409378 °   |           |
|   |                         |              | -121.533608 °          | -121.533608 ° |           |
| DWR ID  | DWR_RD0999_05_s_2012_78 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Remove the wild growth other than native grasses from the levee slopes. |                         |              |                        |               |           |

No Photos

|                 |                          |              |                        |               |            |
|-----------------|--------------------------|--------------|------------------------|---------------|------------|
| LM Start        | <b>8.66</b>              | Rating **    | A/W                    | Issue No.     | <b>121</b> |
| LM End          | <b>8.66</b>              | Issue Type + | Ma                     | Location *    | WS         |
| Category        | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|                 |                          |              | Start                  | End           |            |
| Item            | Encroachments            |              | 38.409637 °            | 38.409637 °   |            |
|                 |                          |              | -121.533312 °          | -121.533312 ° |            |
| DWR ID          | DWR_RD0999_05_s_2012_121 |              |                        |               |            |
| Action/Comments |                          |              |                        |               |            |
| Tree or limb    |                          |              |                        |               |            |

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                          |              |                        |               |            |
|-----------------|--------------------------|--------------|------------------------|---------------|------------|
| LM Start        | <b>8.67</b>              | Rating **    | A/W                    | Issue No.     | <b>122</b> |
| LM End          | <b>8.67</b>              | Issue Type + | Ma                     | Location *    | LS         |
| Category        | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|                 |                          |              | Start                  | End           |            |
| Item            | Encroachments            |              | 38.409700 °            | 38.409700 °   |            |
|                 |                          |              | -121.533217 °          | -121.533217 ° |            |
| DWR ID          | DWR_RD0999_05_s_2012_122 |              |                        |               |            |
| Action/Comments |                          |              |                        |               |            |
| Tree or limb    |                          |              |                        |               |            |

No Photos

|   |                          |              |                        |               |            |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start  | <b>8.69</b>              | Rating **    | M                      | Issue No.     | <b>195</b> |
| LM End  | <b>8.69</b>              | Issue Type + | En                     | Location *    | LS         |
| Category  | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|   |                          |              | Start                  | End           |            |
| Item  | Encroachments            |              | 38.409880 °            | 38.409880 °   |            |
|   |                          |              | -121.533078 °          | -121.533078 ° |            |
| DWR ID  | DWR_RD0999_05_s_2014_195 |              |                        |               |            |
| Action/Comments   |                          |              |                        |               |            |
| Firewood<br>Inspector Comments: Firewood stock piled on landside slope. |                          |              |                        |               |            |

Photo 1 of 1 : richard\_s\_20140314\_464.jpg



Looking northeast at firewood on landward slope.

|   |                          |              |                        |               |            |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start  | <b>8.69</b>              | Rating **    | A/W                    | Issue No.     | <b>105</b> |
| LM End  | <b>8.69</b>              | Issue Type + | En                     | Location *    | LS         |
| Category  | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|   |                          |              | Start                  | End           |            |
| Item  | Vegetation               |              | 38.409913 °            | 38.409913 °   |            |
|   |                          |              | -121.532988 °          | -121.532988 ° |            |
| DWR ID  | DWR_RD0999_05_s_2012_105 |              |                        |               |            |
| Action/Comments   |                          |              |                        |               |            |
| Remove the wild growth other than native grasses from the levee slopes. |                          |              |                        |               |            |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                          |              |                        |               |            |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start  | <b>8.72</b>              | Rating **    | A/W                    | Issue No.     | <b>126</b> |
| LM End  | <b>8.72</b>              | Issue Type + | En                     | Location *    | LS         |
| Category  | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|   |                          |              | Start                  | End           |            |
| Item  | Vegetation               |              | 38.410283 °            | 38.410283 °   |            |
|   |                          |              | -121.532353 °          | -121.532353 ° |            |
| DWR ID  | DWR_RD0999_05_s_2012_126 |              |                        |               |            |
| Action/Comments   |                          |              |                        |               |            |
| Remove the wild growth other than native grasses from the levee slopes. |                          |              |                        |               |            |

No Photos

|   |                          |              |                        |               |            |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start  | <b>8.73</b>              | Rating **    | M                      | Issue No.     | <b>196</b> |
| LM End  | <b>8.73</b>              | Issue Type + | En                     | Location *    | LS         |
| Category  | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|   |                          |              | Start                  | End           |            |
| Item  | Encroachments            |              | 38.410279 °            | 38.410279 °   |            |
|   |                          |              | -121.532414 °          | -121.532414 ° |            |
| DWR ID  | DWR_RD0999_05_s_2014_196 |              |                        |               |            |
| Action/Comments   |                          |              |                        |               |            |
| Stairway<br>Inspector Comments: Landowner installed concrete stairs and sprinkler and plantings on landside slope without CVFPB permit. |                          |              |                        |               |            |

Photo 1 of 2 : richard\_s\_20140314\_465.jpg



Looking north at concrete stairs on landward slope.

|          |             |              |    |            |                   |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | <b>8.73</b> | Rating **    | M  | Issue No.  | <b>196 (cont)</b> |
| LM End   | <b>8.73</b> | Issue Type + | En | Location * | LS                |

Photo 2 of 2 : richard\_s\_20140314\_466.jpg



Looking east at concrete stairs, sprinklers and plantings on landward slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                          |              |                        |               |            |
|-----------------|--------------------------|--------------|------------------------|---------------|------------|
| LM Start        | <b>8.74</b>              | Rating **    | M                      | Issue No.     | <b>103</b> |
| LM End          | <b>8.74</b>              | Issue Type + | En                     | Location *    | CR         |
| Category        | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|                 |                          |              | Start                  | End           |            |
| Item            | Encroachments            |              | 38.410332 °            | 38.410332 °   |            |
|                 |                          |              | -121.532277 °          | -121.532277 ° |            |
| DWR ID          | DWR_RD0999_05_s_2012_103 |              |                        |               |            |
| Action/Comments |                          |              |                        |               |            |
| Fence           |                          |              |                        |               |            |

Photo 1 of 2 : richard\_s\_20140310\_379.jpg



New unauthorized fence that extend from landside toe to waterside toe.

|          |             |              |    |            |                   |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | <b>8.74</b> | Rating **    | M  | Issue No.  | <b>103 (cont)</b> |
| LM End   | <b>8.74</b> | Issue Type + | En | Location * | CR                |

Photo 2 of 2 : richard\_s\_20140310\_380.jpg



View of fence & gate across levee crown, landside & waterside slope.

|   |                          |              |                        |               |            |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start  | <b>8.75</b>              | Rating **    | A/W                    | Issue No.     | <b>123</b> |
| LM End  | <b>8.77</b>              | Issue Type + | Ma                     | Location *    | LS         |
| Category  | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|   |                          |              | Start                  | End           |            |
| Item  | Trim / Thin Trees        |              | 38.410368 °            | 38.410595 °   |            |
|   |                          |              | -121.532147 °          | -121.531672 ° |            |
| DWR ID  | DWR_RD0999_05_s_2012_123 |              |                        |               |            |
| Action/Comments   |                          |              |                        |               |            |
| Trim and thin trees to allow visibility of the ground and room to flood |                          |              |                        |               |            |

No Photos

| * Location      |
|-----------------|
| LS : Land Side  |
| WS : Water Side |
| CR : Crown      |

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>8.77</b>              | Rating **    | M  | Issue No.              | <b>187</b>    |
| LM End  | <b>8.77</b>              | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental             |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study     |              |    | 38.410531 °            | 38.410531 °   |
|   |                          |              |    | -121.531785 °          | -121.531785 ° |
| DWR ID  | DWR_RD0999_05_s_2014_187 |              |    |                        |               |
| Action/Comments   |                          |              |    |                        |               |
| Inspector Comments: FS_ID:16345<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Need to determine permit No for crossing or remove it.<br>FIELD_STRUCT_DESC: 3-inch plastic irrigation hose over the levee.<br>Small portable pump on WS toe.<br>FS Date: 7/10/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1485.jpg



Portable pump on WS toe.

|                 |                          |              |    |                        |               |
|-----------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>8.78</b>              | Rating **    | M  | Issue No.              | <b>104</b>    |
| LM End          | <b>8.78</b>              | Issue Type + | En | Location *             | CR            |
| Category        | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                 |                          |              |    | Start                  | End           |
| Item            | Encroachments            |              |    | 38.410344 °            | 38.410344 °   |
|                 |                          |              |    | -121.532074 °          | -121.532074 ° |
| DWR ID          | DWR_RD0999_05_s_2012_104 |              |    |                        |               |
| Action/Comments |                          |              |    |                        |               |
| Fence           |                          |              |    |                        |               |

Photo 1 of 1 : richard\_s\_20140310\_381.jpg



New unauthorized fence and gate that extends from landside toe across levee crown to waterside toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               |  | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|--|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough |  | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                          |              |                        |            |            |
|-----------------|--------------------------|--------------|------------------------|------------|------------|
| LM Start        | <b>8.82</b>              | Rating **    | M                      | Issue No.  | <b>143</b> |
| LM End          | <b>8.82</b>              | Issue Type + | En                     | Location * | CR         |
| Category        | Earthen Levee            |              | GPS Latitude/Longitude |            |            |
|                 |                          |              | Start                  | End        |            |
| Item            | Encroachments            |              |                        | °          | °          |
|                 |                          |              |                        | °          | °          |
| DWR ID          | DWR_RD0999_05_s_2013_143 |              |                        |            |            |
| Action/Comments |                          |              |                        |            |            |
| Fence           |                          |              |                        |            |            |

No Photos

|                      |                          |              |                        |               |            |
|----------------------|--------------------------|--------------|------------------------|---------------|------------|
| LM Start             | <b>8.88</b>              | Rating **    | M                      | Issue No.     | <b>134</b> |
| LM End               | <b>8.94</b>              | Issue Type + | En                     | Location *    | LS         |
| Category             | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|                      |                          |              | Start                  | End           |            |
| Item                 | Encroachments            |              | 38.411577 °            | 38.412202 °   |            |
|                      |                          |              | -121.530375 °          | -121.529707 ° |            |
| DWR ID               | DWR_RD0999_05_f_2012_134 |              |                        |               |            |
| Action/Comments      |                          |              |                        |               |            |
| Landscape Irrigation |                          |              |                        |               |            |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>8.89</b>             | Rating **    | A/W                    | Issue No.     | <b>91</b> |
| LM End   | <b>8.89</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.411567 °            | 38.411567 °   |           |
|  |                         |              | -121.529902 °          | -121.529902 ° |           |
| DWR ID   | DWR_RD0999_05_s_2012_91 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

|   |  |  |
|---|--|--|
| <p><b>* Location</b><br/>                 LS : Land Side<br/>                 WS : Water Side<br/>                 CR : Crown</p> | <p><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 &amp; Maintain</p> | <p><b>+ Issue Type</b><br/>                 Ma : Maintenance Deficiency<br/>                 Ob : Design &amp; System Obsolescence<br/>                 En : Enforcement</p> |
|---|--|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>8.90</b>              | Rating **    | M  | Issue No.              | <b>188</b>    |
| LM End  | <b>8.90</b>              | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental             |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study     |              |    | 38.411805 °            | 38.411805 °   |
|   |                          |              |    | -121.530044 °          | -121.530044 ° |
| DWR ID  | DWR_RD0999_05_s_2014_188 |              |    |                        |               |
| Action/Comments   |                          |              |    |                        |               |
| Inspector Comments: FS_ID:16346<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Need to determine permit No. for crossing.<br>FIELD_STRUCT_DESC: 1-inch PVC sprinklers on both sides of crown.<br>Unclear where crossing occurs. No photos taken.<br>FS Date: 7/10/2013 |                          |              |    |                        |               |

No Photos

|  |                          |              |     |                        |               |
|--|--------------------------|--------------|-----|------------------------|---------------|
| LM Start   | <b>8.90</b>              | Rating **    | A/W | Issue No.              | <b>107</b>    |
| LM End   | <b>8.90</b>              | Issue Type + | En  | Location *             | WS            |
| Category   | Earthen Levee            |              |     | GPS Latitude/Longitude |               |
|  |                          |              |     | Start                  | End           |
| Item   | Trim / Thin Trees        |              |     | 38.411760 °            | 38.411760 °   |
|  |                          |              |     | -121.530008 °          | -121.530008 ° |
| DWR ID   | DWR_RD0999_05_s_2012_107 |              |     |                        |               |
| Action/Comments                                      |                          |              |     |                        |               |
| Trim trees to at least five feet above ground level. |                          |              |     |                        |               |

No Photos

|                 |                          |              |     |                        |               |
|-----------------|--------------------------|--------------|-----|------------------------|---------------|
| LM Start        | <b>8.93</b>              | Rating **    | A/W | Issue No.              | <b>108</b>    |
| LM End          | <b>8.93</b>              | Issue Type + | Ma  | Location *             | WS            |
| Category        | Earthen Levee            |              |     | GPS Latitude/Longitude |               |
|                 |                          |              |     | Start                  | End           |
| Item            | Encroachments            |              |     | 38.412053 °            | 38.412053 °   |
|                 |                          |              |     | -121.529752 °          | -121.529752 ° |
| DWR ID          | DWR_RD0999_05_s_2012_108 |              |     |                        |               |
| Action/Comments |                          |              |     |                        |               |
| Prunings        |                          |              |     |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>8.96</b>             | Rating **    | A/W                    | Issue No.     | <b>77</b> |
| LM End          | <b>8.96</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.412468 °            | 38.412468 °   |           |
|                 |                         |              | -121.529705 °          | -121.529705 ° |           |
| DWR ID          | DWR_RD0999_05_s_2012_77 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Prunings        |                         |              |                        |               |           |

No Photos

|                 |                          |              |                        |               |            |
|-----------------|--------------------------|--------------|------------------------|---------------|------------|
| LM Start        | <b>9.04</b>              | Rating **    | M                      | Issue No.     | <b>124</b> |
| LM End          | <b>9.04</b>              | Issue Type + | En                     | Location *    | WS         |
| Category        | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|                 |                          |              | Start                  | End           |            |
| Item            | Encroachments            |              | 38.413508 °            | 38.413508 °   |            |
|                 |                          |              | -121.529743 °          | -121.529743 ° |            |
| DWR ID          | DWR_RD0999_05_s_2012_124 |              |                        |               |            |
| Action/Comments |                          |              |                        |               |            |
| Prunings        |                          |              |                        |               |            |

No Photos

|                 |                          |              |                        |               |            |
|-----------------|--------------------------|--------------|------------------------|---------------|------------|
| LM Start        | <b>9.05</b>              | Rating **    | M                      | Issue No.     | <b>127</b> |
| LM End          | <b>9.08</b>              | Issue Type + | En                     | Location *    | LS         |
| Category        | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|                 |                          |              | Start                  | End           |            |
| Item            | Vegetation               |              | 38.413780 °            | 38.414138 °   |            |
|                 |                          |              | -121.529727 °          | -121.529772 ° |            |
| DWR ID          | DWR_RD0999_05_s_2012_127 |              |                        |               |            |
| Action/Comments |                          |              |                        |               |            |
| Landscaping     |                          |              |                        |               |            |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>9.26</b>             | Rating **    | A/W                    | Issue No.     | <b>95</b> |
| LM End          | <b>9.26</b>             | Issue Type + | Ob                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.416027 °            | 38.416027 °   |           |
|                 |                         |              | -121.528243 °          | -121.528243 ° |           |
| DWR ID          | DWR_RD0999_05_s_2012_95 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Prunings        |                         |              |                        |               |           |

No Photos

|  |                          |              |                        |            |            |
|--|--------------------------|--------------|------------------------|------------|------------|
| LM Start   | <b>9.30</b>              | Rating **    | M                      | Issue No.  | <b>158</b> |
| LM End   | <b>9.30</b>              | Issue Type + | En                     | Location * | LS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |            |            |
|  |                          |              | Start                  | End        |            |
| Item   | Encroachments            |              |                        |            |            |
|  |                          |              |                        |            |            |
| DWR ID   | DWR_RD0999_05_f_2013_158 |              |                        |            |            |
| Action/Comments  |                          |              |                        |            |            |
| Equipment<br>Inspector Comments: Landowner has placed bleacher on landward shoulder. |                          |              |                        |            |            |

Photo 1 of 1 : richard\_s\_20140310\_405.jpg



Looking northeast at bleacher stored on landward shoulder.

|  |                          |              |                        |               |            |
|--|--------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>9.33</b>              | Rating **    | A/W                    | Issue No.     | <b>109</b> |
| LM End   | <b>9.35</b>              | Issue Type + | Ma                     | Location *    | LS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|  |                          |              | Start                  | End           |            |
| Item   | Trim / Thin Trees        |              | 38.415495 °            | 38.415278 °   |            |
|  |                          |              | -121.527217 °          | -121.527005 ° |            |
| DWR ID   | DWR_RD0999_05_s_2012_109 |              |                        |               |            |
| Action/Comments                                      |                          |              |                        |               |            |
| Trim trees to at least five feet above ground level. |                          |              |                        |               |            |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                          |              |                        |               |            |
|--|--------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>9.42</b>              | Rating **    | A/W                    | Issue No.     | <b>110</b> |
| LM End   | <b>9.47</b>              | Issue Type + | Ma                     | Location *    | LS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|  |                          |              | Start                  | End           |            |
| Item   | Trim / Thin Trees        |              | 38.414550 °            | 38.413940 °   |            |
|  |                          |              | -121.526398 °          | -121.525902 ° |            |
| DWR ID   | DWR_RD0999_05_s_2012_110 |              |                        |               |            |
| Action/Comments                                      |                          |              |                        |               |            |
| Trim trees to at least five feet above ground level. |                          |              |                        |               |            |

No Photos

|  |                          |              |                        |               |            |
|--|--------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>9.47</b>              | Rating **    | M                      | Issue No.     | <b>111</b> |
| LM End   | <b>9.47</b>              | Issue Type + | En                     | Location *    | LS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|  |                          |              | Start                  | End           |            |
| Item   | Vegetation               |              | 38.413807 °            | 38.413807 °   |            |
|  |                          |              | -121.525740 °          | -121.525740 ° |            |
| DWR ID   | DWR_RD0999_05_s_2012_111 |              |                        |               |            |
| Action/Comments  |                          |              |                        |               |            |
| Landscaping<br>Inspector Comments: Cactus on landside slope. |                          |              |                        |               |            |

No Photos

|  |                          |              |                        |               |            |
|--|--------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>9.49</b>              | Rating **    | A/W                    | Issue No.     | <b>112</b> |
| LM End   | <b>9.52</b>              | Issue Type + | En                     | Location *    | LS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|  |                          |              | Start                  | End           |            |
| Item   | Trim / Thin Trees        |              | 38.413673 °            | 38.413412 °   |            |
|  |                          |              | -121.525558 °          | -121.525190 ° |            |
| DWR ID   | DWR_RD0999_05_s_2012_112 |              |                        |               |            |
| Action/Comments  |                          |              |                        |               |            |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                          |              |                        |               |            |

No Photos

| * Location      |
|-----------------|
| LS : Land Side  |
| WS : Water Side |
| CR : Crown      |

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|  |                          |              |                        |               |            |
|--|--------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>9.56</b>              | Rating **    | M                      | Issue No.     | <b>114</b> |
| LM End   | <b>9.56</b>              | Issue Type + | Ma                     | Location *    | LS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|  |                          |              | Start                  | End           |            |
| Item   | Trim / Thin Trees        |              | 38.413377 °            | 38.413377 °   |            |
|  |                          |              | -121.524500 °          | -121.524500 ° |            |
| DWR ID   | DWR_RD0999_05_s_2012_114 |              |                        |               |            |
| Action/Comments                                      |                          |              |                        |               |            |
| Trim trees to at least five feet above ground level. |                          |              |                        |               |            |

No Photos

|   |                          |              |                        |               |            |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start  | <b>9.59</b>              | Rating **    | A/W                    | Issue No.     | <b>125</b> |
| LM End  | <b>9.59</b>              | Issue Type + | En                     | Location *    | LS         |
| Category  | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|   |                          |              | Start                  | End           |            |
| Item  | Vegetation               |              | 38.413522 °            | 38.413522 °   |            |
|   |                          |              | -121.524018 °          | -121.524018 ° |            |
| DWR ID  | DWR_RD0999_05_s_2012_125 |              |                        |               |            |
| Action/Comments   |                          |              |                        |               |            |
| Remove the wild growth other than native grasses from the levee slopes. |                          |              |                        |               |            |

No Photos

|                 |                          |              |                        |            |            |
|-----------------|--------------------------|--------------|------------------------|------------|------------|
| LM Start        | <b>9.62</b>              | Rating **    | M                      | Issue No.  | <b>145</b> |
| LM End          | <b>9.62</b>              | Issue Type + | En                     | Location * | LS         |
| Category        | Earthen Levee            |              | GPS Latitude/Longitude |            |            |
|                 |                          |              | Start                  | End        |            |
| Item            | Encroachments            |              |                        |            |            |
|                 |                          |              |                        |            |            |
| DWR ID          | DWR_RD0999_05_s_2013_145 |              |                        |            |            |
| Action/Comments |                          |              |                        |            |            |
| Firewood        |                          |              |                        |            |            |



Looking north at firewood piled at landside toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 0999 Netherlands**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector          |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.66       | 03/13/2014<br>03/13/2014 | Richard Willoughby |

|   |                          |              |     |                        |               |
|---|--------------------------|--------------|-----|------------------------|---------------|
| LM Start  | <b>9.62</b>              | Rating **    | A/W | Issue No.              | <b>113</b>    |
| LM End  | <b>9.62</b>              | Issue Type + | En  | Location *             | WS            |
| Category  | Earthen Levee            |              |     | GPS Latitude/Longitude |               |
|   |                          |              |     | Start                  | End           |
| Item  | Encroachments            |              |     | 38.413962 °            | 38.413962 °   |
|   |                          |              |     | -121.523437 °          | -121.523437 ° |
| DWR ID  | DWR_RD0999_05_s_2012_113 |              |     |                        |               |
| Action/Comments   |                          |              |     |                        |               |
| Prunings<br>Inspector Comments: Prunings appears to be a drive-by dump. |                          |              |     |                        |               |

No Photos

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side<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 |
|--|---|---|