

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

**Reclamation District No. 1001 Nicolaus**

|                                  | 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. 1001 Nicolaus**

|                           |  |       |            |
|---------------------------|--|-------|------------|
| Waterway                  |  | Bank  | Unit Miles |
| Unit No. 01 Yankee Slough |  | Right | 4.17       |

|  | 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                     | 05/06/2014 - 05/06/2014    |                           |                                |                                 |
| DWR Inspector                          | Matthew Hoffman            |                           |                                |                                 |
| Accompanied By                         | Andrew Stresser<br>RD 1001 |                           |                                |                                 |

**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. 1001 Nicolaus**

| Waterway                  |  |  | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|--|--|-------|------------|--------------------------|-----------------|
| Unit No. 01 Yankee Slough |  |  | Right | 4.17       | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|                 |                                |              |    |                        |     |   |
|-----------------|--------------------------------|--------------|----|------------------------|-----|---|
| LM Start        |                                | Rating **    | A  | Issue No.              | 1   |   |
| LM End          |                                | Issue Type + | Ma | Location *             | LS  |   |
| Category        | Earthen Levee                  |              |    | GPS Latitude/Longitude |     |   |
|                 |                                |              |    | Start                  | End |   |
| Item            | Emergency Supplies & Equipment |              |    |                        | °   | ° |
| DWR ID          | DWR_RD1001_01_s_2012_1         |              |    |                        |     |   |
| Action/Comments |                                |              |    |                        |     |   |
|                 |                                |              |    |                        |     |   |

No Photos

|                 |                               |              |    |                        |     |   |
|-----------------|-------------------------------|--------------|----|------------------------|-----|---|
| LM Start        |                               | Rating **    | A  | Issue No.              | 2   |   |
| LM End          |                               | Issue Type + | Ma | Location *             | LS  |   |
| Category        | Earthen Levee                 |              |    | GPS Latitude/Longitude |     |   |
|                 |                               |              |    | Start                  | End |   |
| Item            | Flood Preparedness & Training |              |    |                        | °   | ° |
| DWR ID          | DWR_RD1001_01_s_2012_2        |              |    |                        |     |   |
| Action/Comments |                               |              |    |                        |     |   |
|                 |                               |              |    |                        |     |   |

No Photos

|                 |                                  |              |    |                        |     |   |
|-----------------|----------------------------------|--------------|----|------------------------|-----|---|
| LM Start        |                                  | Rating **    | A  | Issue No.              | 3   |   |
| LM End          |                                  | Issue Type + | Ma | Location *             | LS  |   |
| Category        | Earthen Levee                    |              |    | GPS Latitude/Longitude |     |   |
|                 |                                  |              |    | Start                  | End |   |
| Item            | Operations & Maintenance Manuals |              |    |                        | °   | ° |
| DWR ID          | DWR_RD1001_01_s_2012_3           |              |    |                        |     |   |
| Action/Comments |                                  |              |    |                        |     |   |
|                 |                                  |              |    |                        |     |   |

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. 1001 Nicolaus**

| Waterway                  | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Yankee Slough | Right | 4.17       | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>0.36</b>             | Rating **    | M                      | Issue No.     | <b>12</b> |
| LM End          | <b>0.36</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.976349 °            | 38.976349 °   |           |
|                 |                         |              | -121.474426 °          | -121.474426 ° |           |
| DWR ID          | DWR_RD1001_01_f_2013_12 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Prunings        |                         |              |                        |               |           |

No Photos

|                 |                        |              |                        |               |          |
|-----------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start        | <b>0.41</b>            | Rating **    | M                      | Issue No.     | <b>9</b> |
| LM End          | <b>0.41</b>            | Issue Type + | En                     | Location *    | WS       |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                 |                        |              | Start                  | End           |          |
| Item            | Encroachments          |              | 38.975966 °            | 38.975966 °   |          |
|                 |                        |              | -121.475003 °          | -121.475003 ° |          |
| DWR ID          | DWR_RD1001_01_f_2013_9 |              |                        |               |          |
| Action/Comments |                        |              |                        |               |          |
| Prunings        |                        |              |                        |               |          |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start                                   | <b>0.92</b>             | Rating **    | M                      | Issue No.     | <b>10</b> |
| LM End                                     | <b>2.43</b>             | Issue Type + | Ma                     | Location *    | CR        |
| Category                                   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item                                       | Vegetation              |              | 38.974758 °            | 38.968557 °   |           |
|  |                         |              | -121.484300 °          | -121.509360 ° |           |
| DWR ID                                     | DWR_RD1001_01_s_2013_10 |              |                        |               |           |
| Action/Comments                            |                         |              |                        |               |           |
| Keep the crown roadway free of vegetation. |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_294.jpg



The vegetation has been mowed needs to be controlled. Spring 2013

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway                  |  | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|--|-------|------------|--------------------------|-----------------|
| Unit No. 01 Yankee Slough |  | Right | 4.17       | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>0.96</b>             | Rating **    | U                      | Issue No.     | <b>15</b> |
| LM End          | <b>0.96</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Vegetation              |              | 38.974569 °            | 38.974569 °   |           |
|                 |                         |              | -121.484815 °          | -121.484815 ° |           |
| DWR ID          | DWR_RD1001_01_s_2012_15 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Landscaping     |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_295.jpg



The landscape on the levee slope blocks visibility. Spring 2013

|   |                        |              |                        |               |          |
|---|------------------------|--------------|------------------------|---------------|----------|
| LM Start  | <b>2.14</b>            | Rating **    | C                      | Issue No.     | <b>8</b> |
| LM End  | <b>2.14</b>            | Issue Type + | Ma                     | Location *    | LS       |
| Category  | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|   |                        |              | Start                  | End           |          |
| Item  | Vegetation             |              | 38.970353 °            | 38.970353 °   |          |
|   |                        |              | -121.504655 °          | -121.504655 ° |          |
| DWR ID  | DWR_RD1001_01_f_2013_8 |              |                        |               |          |
| Action/Comments   |                        |              |                        |               |          |
| Control annual grass and weeds on the levee slopes and easements. |                        |              |                        |               |          |

No Photos

|   |                          |              |                        |               |            |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start  | <b>2.90</b>              | Rating **    | A                      | Issue No.     | <b>242</b> |
| LM End  | <b>2.90</b>              | Issue Type + | Ma                     | Location *    | WS         |
| Category  | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|   |                          |              | Start                  | End           |            |
| Item  | Vegetation               |              | 38.967781 °            | 38.967781 °   |            |
|   |                          |              | -121.517701 °          | -121.517701 ° |            |
| DWR ID  | DWR_RD1001_01_s_2014_242 |              |                        |               |            |
| Action/Comments   |                          |              |                        |               |            |
| Control annual grass and weeds on the levee slopes and easements. |                          |              |                        |               |            |

Photo 1 of 1 : mhoffman\_s\_20140512\_505.jpg



This photo was taken from the crown facing east looking down the waterward levee slope at acceptable vegetation control. Spring 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. 1001 Nicolaus**

| Waterway                  | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Yankee Slough | Right | 4.17       | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|  |                        |              |                        |               |          |
|--|------------------------|--------------|------------------------|---------------|----------|
| LM Start   | <b>3.02</b>            | Rating **    | C                      | Issue No.     | <b>4</b> |
| LM End   | <b>3.02</b>            | Issue Type + | Ma                     | Location *    | WS       |
| Category   | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|  |                        |              | Start                  | End           |          |
| Item   | Animal Control         |              | 38.966453 °            | 38.966453 °   |          |
|  |                        |              | -121.519065 °          | -121.519065 ° |          |
| DWR ID   | DWR_RD1001_01_f_2013_4 |              |                        |               |          |
| Action/Comments  |                        |              |                        |               |          |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                        |              |                        |               |          |

No Photos

|                 |                        |              |                        |               |          |
|-----------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start        | <b>3.16</b>            | Rating **    | M                      | Issue No.     | <b>5</b> |
| LM End          | <b>3.22</b>            | Issue Type + | En                     | Location *    | LS       |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                 |                        |              | Start                  | End           |          |
| Item            | Vegetation             |              | 38.965663 °            | 38.965705 °   |          |
|                 |                        |              | -121.521023 °          | -121.522098 ° |          |
| DWR ID          | DWR_RD1001_01_s_2012_5 |              |                        |               |          |
| Action/Comments |                        |              |                        |               |          |
| Landscaping     |                        |              |                        |               |          |

Photo 1 of 2 : mhoffman\_s\_20140512\_506.jpg



View of landscaping on landside slope.

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>3.16</b> | Rating **    | M  | Issue No.  | <b>5 (cont)</b> |
| LM End   | <b>3.22</b> | Issue Type + | En | Location * | LS              |

Photo 2 of 2 : mhoffman\_s\_20140512\_507.jpg



Unit 1 Landscaping on levee slope. L/S

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles |
|---------------------------|------|------------|
| Unit No. 02 Yankee Slough | Left | 3.66       |

|  | 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                     | 05/06/2014 - 05/06/2014    |                           |                                |                                 |
| DWR Inspector                          | Matthew Hoffman            |                           |                                |                                 |
| Accompanied By                         | Andrew Stresser<br>RD 1001 |                           |                                |                                 |

**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. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Yankee Slough | Left | 3.66       | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>0.50</b>              | Rating **    | M  | Issue No.              | <b>261</b>    |
| LM End  | <b>0.50</b>              | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental             |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study     |              |    | 38.974329 °            | 38.974329 °   |
|   |                          |              |    | -121.480043 °          | -121.480043 ° |
| DWR ID  | DWR_RD1001_02_s_2014_261 |              |    |                        |               |
| Action/Comments   |                          |              |    |                        |               |
| Inspector Comments: FS_ID:13847<br>EP_NO: 2281<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: - leaky pipe end and erosion on WS cracked dirt mound on LS seems not been used for some time.<br>FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 1.9 feet below the crown, portable pump mounted on the bank during the summer months, control valve on the waterward side, steel plate bolted on the waterward end during the winter months, the pipe discharges into a 30-inch concrete standpipe at the landward toe (Permit No. 2281, 1956)<br>FS Date: 5/23/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_924.jpg



LS- steel pipe and concrete standpipe.

|                 |                        |              |    |                        |               |
|-----------------|------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>0.52</b>            | Rating **    | M  | Issue No.              | <b>5</b>      |
| LM End          | <b>0.52</b>            | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|                 |                        |              |    | Start                  | End           |
| Item            | Encroachments          |              |    | 38.974325 °            | 38.974325 °   |
|                 |                        |              |    | -121.480495 °          | -121.480495 ° |
| DWR ID          | DWR_RD1001_02_s_2012_5 |              |    |                        |               |
| Action/Comments |                        |              |    |                        |               |
| Debris          |                        |              |    |                        |               |

Photo 1 of 1 : mhoffman\_s\_20140401\_548.jpg



Debris on the levee slope and at the toe of the levee. Spring 2013

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway                  |  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|--|------|------------|--------------------------|-----------------|
| Unit No. 02 Yankee Slough |  | Left | 3.66       | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>0.58</b>             | Rating **    | M                      | Issue No.     | <b>15</b> |
| LM End          | <b>0.58</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.974323 °            | 38.974323 °   |           |
|                 |                         |              | -121.481754 °          | -121.481754 ° |           |
| DWR ID          | DWR_RD1001_02_s_2012_15 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Prunings        |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_552.jpg



RD 1001 Unit 2 - L/S - Pruning Piles

|   |                          |              |                        |               |            |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start  | <b>0.60</b>              | Rating **    | M                      | Issue No.     | <b>263</b> |
| LM End  | <b>0.60</b>              | Issue Type + | Ma                     | Location *    | WS         |
| Category  | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|   |                          |              | Start                  | End           |            |
| Item  | Vegetation               |              | 38.974320 °            | 38.974320 °   |            |
|   |                          |              | -121.481837 °          | -121.481837 ° |            |
| DWR ID  | DWR_RD1001_02_s_2014_263 |              |                        |               |            |
| Action/Comments   |                          |              |                        |               |            |
| Control annual grass and weeds on the levee slopes and easements. |                          |              |                        |               |            |

Photo 1 of 1 : mhoffman\_s\_20140512\_506.jpg



This photo was taken from the crown facing west looking down the waterward levee slope at vegetation requiring maintenance. Spring 2014.

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>0.67</b>             | Rating **    | M                      | Issue No.     | <b>16</b> |
| LM End          | <b>0.67</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Vegetation              |              | 38.974198 °            | 38.974198 °   |           |
|                 |                         |              | -121.483150 °          | -121.483150 ° |           |
| DWR ID          | DWR_RD1001_02_s_2012_16 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Landscaping     |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_553.jpg



RD 1001 Unit 2 - L/S -Landscaping - Cactus and fruit trees

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Yankee Slough | Left | 3.66       | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|                 |                        |              |                        |               |          |
|-----------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start        | <b>0.81</b>            | Rating **    | M                      | Issue No.     | <b>7</b> |
| LM End          | <b>0.81</b>            | Issue Type + | En                     | Location *    | LS       |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                 |                        |              | Start                  | End           |          |
| Item            | Encroachments          |              | 38.973605 °            | 38.973605 °   |          |
|                 |                        |              | -121.485728 °          | -121.485728 ° |          |
| DWR ID          | DWR_RD1001_02_s_2012_7 |              |                        |               |          |
| Action/Comments |                        |              |                        |               |          |
| Prunings        |                        |              |                        |               |          |

Photo 1 of 1 : mhoffman\_s\_20140401\_549.jpg



RD 1001 Unit 2 - L/S - Pruning Piles

|                 |                        |              |                        |               |          |
|-----------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start        | <b>1.24</b>            | Rating **    | M                      | Issue No.     | <b>9</b> |
| LM End          | <b>1.24</b>            | Issue Type + | En                     | Location *    | LS       |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                 |                        |              | Start                  | End           |          |
| Item            | Encroachments          |              | 38.970678 °            | 38.970678 °   |          |
|                 |                        |              | -121.492360 °          | -121.492360 ° |          |
| DWR ID          | DWR_RD1001_02_f_2013_9 |              |                        |               |          |
| Action/Comments |                        |              |                        |               |          |
| Debris          |                        |              |                        |               |          |

No Photos

|   |                      |              |                        |               |          |
|---|----------------------|--------------|------------------------|---------------|----------|
| LM Start  | <b>1.29</b>          | Rating **    | M                      | Issue No.     | <b>1</b> |
| LM End  | <b>1.29</b>          | Issue Type + | Ma                     | Location *    | WS       |
| Category  | Supplemental         |              | GPS Latitude/Longitude |               |          |
|   |                      |              | Start                  | End           |          |
| Item  | USACE Erosion Survey |              | 38.969640 °            | 38.969740 °   |          |
|   |                      |              | -121.494829 °          | -121.494327 ° |          |
| DWR ID  |                      |              |                        |               |          |
| Action/Comments   |                      |              |                        |               |          |
| Inspector Comments: 2011 - New erosion site. Steep eroding slope. Fairly old scarp with vegetation growth. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: YAS_1-7_L] |                      |              |                        |               |          |

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. 1001 Nicolaus**

| Waterway                  |  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|--|------|------------|--------------------------|-----------------|
| Unit No. 02 Yankee Slough |  | Left | 3.66       | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>1.77</b>             | Rating **    | U                      | Issue No.     | <b>10</b> |
| LM End          | <b>1.77</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Vegetation              |              | 38.970353 °            | 38.970353 °   |           |
|                 |                         |              | -121.501935 °          | -121.501935 ° |           |
| DWR ID          | DWR_RD1001_02_s_2012_10 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Landscaping     |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_550.jpg



RD 1001 Unit 2 - L/S -Landscaping - Trees

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>1.78</b>             | Rating **    | U                      | Issue No.     | <b>11</b> |
| LM End          | <b>1.78</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.970347 °            | 38.970347 °   |           |
|                 |                         |              | -121.502027 °          | -121.502027 ° |           |
| DWR ID          | DWR_RD1001_02_s_2012_11 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Building        |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_551.jpg



RD 1001 Unit 2 - L/S -Building @ toe.

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>2.32</b>             | Rating **    | M                      | Issue No.     | <b>52</b> |
| LM End          | <b>2.55</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.967402 °            | 38.967515 °   |           |
|                 |                         |              | -121.510850 °          | -121.515270 ° |           |
| DWR ID          | DWR_RD1001_02_s_2012_52 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Ditch           |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_554.jpg



RD 1001 Unit 2 - L/S - Drainage Ditch @ toe.

|                   |
|-------------------|
| <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. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Yankee Slough | Left | 3.66       | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>2.32</b>              | Rating **    | M  | Issue No.              | <b>262</b>    |
| LM End   | <b>2.32</b>              | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental             |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study     |              |    | 38.967402 °            | 38.967402 °   |
|  |                          |              |    | -121.510952 °          | -121.510952 ° |
| DWR ID   | DWR_RD1001_02_s_2014_262 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| Inspector Comments: FS_ID:14008<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: - slide gate in inlet pipe on landside pits on pipe due to corrosion<br>FIELD_STRUCT_DESC: 36-inch corrugated-metal drainage pipe through the levee, 15.0 feet below the crown, concrete-U headwall and flap gate at outfall on the waterward end and slide gate on landside inlet (R.D. No. 1001). O&M Manual Sac 141, August 1955.<br>FS Date: 5/23/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_949.jpg



LS- slide gate in inlet pipe structure

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>3.32</b>             | Rating **    | M  | Issue No.              | <b>14</b>     |
| LM End          | <b>3.32</b>             | Issue Type + | Ma | Location *             | WS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Encroachments           |              |    | 38.963825 °            | 38.963825 °   |
|                 |                         |              |    | -121.527613 °          | -121.527613 ° |
| DWR ID          | DWR_RD1001_02_f_2013_14 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Tree or limb    |                         |              |    |                        |               |

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**

**Unit Cover Sheet**

**Spring 2014 Levee Inspection Results**

**Reclamation District No. 1001 Nicolaus**

|                        |  |      |            |
|------------------------|--|------|------------|
| Waterway               |  | Bank | Unit Miles |
| Unit No. 03 Bear River |  | Left | 12.60      |

|  | 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                     | 05/06/2014 - 05/06/2014    |                           |                                |                                 |
| DWR Inspector                          | Matthew Hoffman            |                           |                                |                                 |
| Accompanied By                         | Andrew Stresser<br>RD 1001 |                           |                                |                                 |

**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. 1001 Nicolaus**

| Waterway               |  |  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|--|--|------|------------|--------------------------|-----------------|
| Unit No. 03 Bear River |  |  | Left | 12.60      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>0.00</b>              | Rating **    | M  | Issue No.              | <b>668</b>    |
| LM End  | <b>0.11</b>              | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | Vegetation               |              |    | °                      | 39.006525 °   |
|   |                          |              |    | °                      | -121.377082 ° |
| DWR ID  | DWR_RD1001_03_s_2014_668 |              |    |                        |               |
| Action/Comments   |                          |              |    |                        |               |
| Control annual grass and weeds on the levee slopes and easements. |                          |              |    |                        |               |

Photo 1 of 1 : mhoffman\_s\_20140512\_502.jpg



This photo was taken from the crown facing west looking down the landward levee slope at vegetation requiring maintenance. Spring 2014.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>0.02</b>             | Rating **    | M  | Issue No.              | <b>26</b>     |
| LM End   | <b>0.08</b>             | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Trim / Thin Trees       |              |    | 39.006602 °            | 39.006600 °   |
|  |                         |              |    | -121.375305 °          | -121.376397 ° |
| DWR ID   | DWR_RD1001_03_s_2013_26 |              |    |                        |               |
| Action/Comments                                      |                         |              |    |                        |               |
| Trim trees to at least five feet above ground level. |                         |              |    |                        |               |

Photo 1 of 1 : mhoffman\_s\_20140401\_865.jpg



Trees partially obstruct visibility. Spring 2013

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway               |  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|--|------|------------|--------------------------|-----------------|
| Unit No. 03 Bear River |  | Left | 12.60      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|   |                        |              |                        |               |          |
|---|------------------------|--------------|------------------------|---------------|----------|
| LM Start  | <b>0.11</b>            | Rating **    | M                      | Issue No.     | <b>2</b> |
| LM End  | <b>0.11</b>            | Issue Type + | Ma                     | Location *    | CR       |
| Category  | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|   |                        |              | Start                  | End           |          |
| Item  | Slope Stability        |              | 39.006569 °            | 39.006569 °   |          |
|   |                        |              | -121.377037 °          | -121.377037 ° |          |
| DWR ID  | DWR_RD1001_03_f_2013_2 |              |                        |               |          |
| Action/Comments   |                        |              |                        |               |          |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible.<br>Inspector Comments: Rutting caused by vehicles driving up the landward levee slope. |                        |              |                        |               |          |

Photo 1 of 1 : mhoffman\_s\_20140401\_837.jpg



This photo was taken from the crown of the levee facing west looking down the slope at rutting caused by vehicles driving up the landward levee slope.

|   |                        |              |                        |               |          |
|---|------------------------|--------------|------------------------|---------------|----------|
| LM Start  | <b>0.83</b>            | Rating **    | A/W                    | Issue No.     | <b>4</b> |
| LM End  | <b>0.83</b>            | Issue Type + | Ma                     | Location *    | WS       |
| Category  | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|   |                        |              | Start                  | End           |          |
| Item  | Vegetation             |              | 39.006418 °            | 39.006418 °   |          |
|   |                        |              | -121.390177 °          | -121.390177 ° |          |
| DWR ID  | DWR_RD1001_03_f_2013_4 |              |                        |               |          |
| Action/Comments   |                        |              |                        |               |          |
| Control annual grass and weeds on the levee slopes and easements. |                        |              |                        |               |          |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>0.84</b>             | Rating **    | M                      | Issue No.     | <b>13</b> |
| LM End   | <b>0.84</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 39.006429 °            | 39.006429 °   |           |
|  |                         |              | -121.390363 °          | -121.390363 ° |           |
| DWR ID   | DWR_RD1001_03_f_2013_13 |              |                        |               |           |
| 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. 1001 Nicolaus**

| Waterway               |  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|--|------|------------|--------------------------|-----------------|
| Unit No. 03 Bear River |  | Left | 12.60      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|  |                          |              |                        |               |            |
|--|--------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>0.88</b>              | Rating **    | M                      | Issue No.     | <b>667</b> |
| LM End   | <b>0.88</b>              | Issue Type + | En                     | Location *    | WS         |
| Category   | Supplemental             |              | GPS Latitude/Longitude |               |            |
|  |                          |              | Start                  | End           |            |
| Item   | DWR UCIP Field Study     |              | 39.006508 °            | 39.006508 °   |            |
|  |                          |              | -121.391086 °          | -121.391086 ° |            |
| DWR ID   | DWR_RD1001_03_s_2014_667 |              |                        |               |            |
| Action/Comments  |                          |              |                        |               |            |
| Inspector Comments: FS_ID:14128<br>EP_NO: 958<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: - slide gate on WS not foundneeds abandoned properly.<br>FIELD_STRUCT_DESC: Abandoned 24-inch irrigation pipe through the levee.(Permit No. 958, 1944)<br>FS Date: 5/21/2013 |                          |              |                        |               |            |

Photo 1 of 1 : UCIP\_955.jpg



WS- abandoned CMP and depression around it.

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>0.93</b>             | Rating **    | M                      | Issue No.     | <b>15</b> |
| LM End   | <b>0.93</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 39.006609 °            | 39.006609 °   |           |
|  |                         |              | -121.392030 °          | -121.392030 ° |           |
| DWR ID   | DWR_RD1001_03_f_2013_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. 1001 Nicolaus**

| Waterway               |  |  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|--|--|------|------------|--------------------------|-----------------|
| Unit No. 03 Bear River |  |  | Left | 12.60      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|  |                        |              |                        |               |          |
|--|------------------------|--------------|------------------------|---------------|----------|
| LM Start   | <b>1.06</b>            | Rating **    | A/W                    | Issue No.     | <b>5</b> |
| LM End   | <b>1.06</b>            | Issue Type + | En                     | Location *    | WS       |
| Category   | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|  |                        |              | Start                  | End           |          |
| Item   | Slope Stability        |              | 39.006188 °            | 39.006188 °   |          |
|  |                        |              | -121.394420 °          | -121.394420 ° |          |
| DWR ID   | DWR_RD1001_03_s_2012_5 |              |                        |               |          |
| Action/Comments  |                        |              |                        |               |          |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                        |              |                        |               |          |

Photo 1 of 1 : mhoffman\_s\_20140401\_839.jpg



RD 1001 Unit 3 - Slope damage

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>1.09</b>             | Rating **    | M                      | Issue No.     | <b>16</b> |
| LM End   | <b>1.09</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 39.006095 °            | 39.006095 °   |           |
|  |                         |              | -121.394842 °          | -121.394842 ° |           |
| DWR ID   | DWR_RD1001_03_f_2013_16 |              |                        |               |           |
| Action/Comments                                      |                         |              |                        |               |           |
| Trim trees to at least five feet above ground level. |                         |              |                        |               |           |

No Photos

|                 |                        |              |                        |               |          |
|-----------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start        | <b>1.21</b>            | Rating **    | M                      | Issue No.     | <b>3</b> |
| LM End          | <b>1.77</b>            | Issue Type + | En                     | Location *    | WS       |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                 |                        |              | Start                  | End           |          |
| Item            | Encroachments          |              | 39.005316 °            | 38.999814 °   |          |
|                 |                        |              | -121.397026 °          | -121.404346 ° |          |
| DWR ID          | DWR_RD1001_03_s_2012_3 |              |                        |               |          |
| Action/Comments |                        |              |                        |               |          |
| Pole            |                        |              |                        |               |          |

Photo 1 of 1 : mhoffman\_s\_20140401\_838.jpg



RD 1001 Unit 3 - Power Poles along W/S 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. 1001 Nicolaus**

| Waterway               |  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|--|------|------------|--------------------------|-----------------|
| Unit No. 03 Bear River |  | Left | 12.60      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|  |                          |              |                        |               |            |
|--|--------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>1.85</b>              | Rating **    | U                      | Issue No.     | <b>669</b> |
| LM End   | <b>1.85</b>              | Issue Type + | En                     | Location *    | WS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|  |                          |              | Start                  | End           |            |
| Item   | Encroachments            |              | 38.998811 °            | 38.998811 °   |            |
|  |                          |              | -121.405285 °          | -121.405285 ° |            |
| DWR ID   | DWR_RD1001_03_s_2014_669 |              |                        |               |            |
| Action/Comments  |                          |              |                        |               |            |
| Pipe<br>Inspector Comments: 2 pipes within 1 30" pipe through the levee. |                          |              |                        |               |            |

Photo 1 of 2 : mhoffman\_s\_20140512\_503.jpg



This photo shows a pipe within a pipe on the on the waterward side of the levee. Spring 2014.

|          |             |              |    |            |                   |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | <b>1.85</b> | Rating **    | U  | Issue No.  | <b>669 (cont)</b> |
| LM End   | <b>1.85</b> | Issue Type + | En | Location * | WS                |

Photo 2 of 2 : mhoffman\_s\_20140512\_504.jpg



This photo shows a pipe within a pipe on the on the landward side of the levee. Spring 2014.

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>1.87</b>             | Rating **    | A/W                    | Issue No.     | <b>29</b> |
| LM End   | <b>1.87</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Slope Stability         |              | 38.998640 °            | 38.998640 °   |           |
|  |                         |              | -121.405502 °          | -121.405502 ° |           |
| DWR ID   | DWR_RD1001_03_s_2013_29 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Repair the levee slope damaged by vehicle traffic and prevent access |                         |              |                        |               |           |

Photo 1 of 2 : mhoffman\_s\_20140401\_869.jpg



Damage caused by vehicles. Spring 2013

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 03 Bear River | Left | 12.60      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|  |                         |              |     |                        |                  |
|--|-------------------------|--------------|-----|------------------------|------------------|
| LM Start   | <b>1.87</b>             | Rating **    | A/W | Issue No.              | <b>29 (cont)</b> |
| LM End   | <b>1.87</b>             | Issue Type + | Ma  | Location *             | LS               |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |                  |
|  |                         |              |     | Start                  | End              |
| Item   | Slope Stability         |              |     | 38.998640 °            | 38.998640 °      |
|  |                         |              |     | -121.405502 °          | -121.405502 °    |
| DWR ID   | DWR_RD1001_03_s_2013_29 |              |     |                        |                  |
| Action/Comments  |                         |              |     |                        |                  |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |     |                        |                  |

Photo 2 of 2 : mhoffman\_s\_20140401\_870.jpg



Damage caused by vehicles going around the gate. Spring 2013

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | <b>1.87</b>             | Rating **    | A/W | Issue No.              | <b>28</b>     |
| LM End   | <b>1.87</b>             | Issue Type + | Ma  | Location *             | WS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Slope Stability         |              |     | 38.998642 °            | 38.998642 °   |
|  |                         |              |     | -121.405507 °          | -121.405507 ° |
| DWR ID   | DWR_RD1001_03_s_2013_28 |              |     |                        |               |
| Action/Comments  |                         |              |     |                        |               |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |     |                        |               |

Photo 1 of 2 : mhoffman\_s\_20140401\_867.jpg



Damage caused by vehicles. Spring 2013

|          |             |              |     |            |                  |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | <b>1.87</b> | Rating **    | A/W | Issue No.  | <b>28 (cont)</b> |
| LM End   | <b>1.87</b> | Issue Type + | Ma  | Location * | WS               |

Photo 2 of 2 : mhoffman\_s\_20140401\_868.jpg



Damage caused by vehicles Spring 2013

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 03 Bear River | Left | 12.60      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>2.10</b>             | Rating **    | A/W                    | Issue No.     | <b>18</b> |
| LM End  | <b>2.15</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.996779 °            | 38.996681 °   |           |
|   |                         |              | -121.408870 °          | -121.409771 ° |           |
| DWR ID  | DWR_RD1001_03_f_2013_18 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Control annual grass and weeds on the levee slopes and easements. |                         |              |                        |               |           |

No Photos

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>2.29</b>             | Rating **    | A/W                    | Issue No.     | <b>30</b> |
| LM End   | <b>2.29</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Slope Stability         |              | 38.996302 °            | 38.996302 °   |           |
|  |                         |              | -121.412285 °          | -121.412285 ° |           |
| DWR ID   | DWR_RD1001_03_s_2013_30 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_871.jpg



Damage caused by vehicles. Spring 2013

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>2.31</b>             | Rating **    | A/W                    | Issue No.     | <b>20</b> |
| LM End  | <b>2.31</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.996275 °            | 38.996275 °   |           |
|   |                         |              | -121.412545 °          | -121.412545 ° |           |
| DWR ID  | DWR_RD1001_03_f_2013_20 |              |                        |               |           |
| 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. 1001 Nicolaus**

| Waterway               |  |  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|--|--|------|------------|--------------------------|-----------------|
| Unit No. 03 Bear River |  |  | Left | 12.60      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>2.60</b>             | Rating **    | M                      | Issue No.     | <b>40</b> |
| LM End          | <b>2.60</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.995604 °            | 38.995604 °   |           |
|                 |                         |              | -121.417928 °          | -121.417928 ° |           |
| DWR ID          | DWR_RD1001_03_f_2013_40 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Pipe            |                         |              |                        |               |           |

No Photos

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>2.94</b>             | Rating **    | M                      | Issue No.     | <b>41</b> |
| LM End  | <b>3.52</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.994310 °            | 38.991818 °   |           |
|   |                         |              | -121.423936 °          | -121.434199 ° |           |
| DWR ID  | DWR_RD1001_03_f_2013_41 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Control annual grass and weeds on the levee slopes and easements. |                         |              |                        |               |           |

No Photos

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>2.96</b>             | Rating **    | M                      | Issue No.     | <b>42</b> |
| LM End          | <b>2.96</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.994242 °            | 38.994242 °   |           |
|                 |                         |              | -121.424209 °          | -121.424209 ° |           |
| DWR ID          | DWR_RD1001_03_f_2013_42 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Debris          |                         |              |                        |               |           |

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. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 03 Bear River | Left | 12.60      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>3.03</b>             | Rating **    | M                      | Issue No.     | <b>43</b> |
| LM End          | <b>3.03</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.993941 °            | 38.993941 °   |           |
|                 |                         |              | -121.425537 °          | -121.425537 ° |           |
| DWR ID          | DWR_RD1001_03_f_2013_43 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Debris          |                         |              |                        |               |           |

No Photos

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>3.03</b>             | Rating **    | M                      | Issue No.     | <b>31</b> |
| LM End          | <b>3.03</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.993920 °            | 38.993920 °   |           |
|                 |                         |              | -121.425538 °          | -121.425538 ° |           |
| DWR ID          | DWR_RD1001_03_s_2013_31 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Prunings        |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_872.jpg



Pruning pile on the levee slope. Spring 2013

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>3.15</b>             | Rating **    | M                      | Issue No.     | <b>44</b> |
| LM End          | <b>3.15</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.993400 °            | 38.993400 °   |           |
|                 |                         |              | -121.427709 °          | -121.427709 ° |           |
| DWR ID          | DWR_RD1001_03_f_2013_44 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Debris          |                         |              |                        |               |           |

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. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 03 Bear River | Left | 12.60      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>3.16</b>             | Rating **    | M                      | Issue No.     | <b>32</b> |
| LM End          | <b>3.16</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.993380 °            | 38.993380 °   |           |
|                 |                         |              | -121.427762 °          | -121.427762 ° |           |
| DWR ID          | DWR_RD1001_03_s_2013_32 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Prunings        |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_873.jpg



Stumps and pruning piled on the levee slope. Spring 2013

|  |                          |              |                        |               |            |
|--|--------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>3.54</b>              | Rating **    | A/W                    | Issue No.     | <b>906</b> |
| LM End   | <b>3.54</b>              | Issue Type + | Ma                     | Location *    | LS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|  |                          |              | Start                  | End           |            |
| Item   | Vegetation               |              | 38.991745 °            | 38.991745 °   |            |
|  |                          |              | -121.434398 °          | -121.434398 ° |            |
| DWR ID   | DWR_RD1001_03_s_2012_906 |              |                        |               |            |
| Action/Comments  |                          |              |                        |               |            |
| Elderberries are blocking visibility and flood fight capability. |                          |              |                        |               |            |

Photo 1 of 1 : mhoffman\_s\_20140401\_885.jpg



RD 1001 Unit 3 - L/S slope -Elderberries

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>3.59</b>             | Rating **    | M                      | Issue No.     | <b>33</b> |
| LM End          | <b>3.59</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.991328 °            | 38.991328 °   |           |
|                 |                         |              | -121.435375 °          | -121.435375 ° |           |
| DWR ID          | DWR_RD1001_03_s_2013_33 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Prunings        |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_874.jpg



Walnut root balls at the levee toe. Spring 2013

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 03 Bear River | Left | 12.60      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>3.71</b>             | Rating **    | M                      | Issue No.     | <b>34</b> |
| LM End          | <b>3.71</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.991227 °            | 38.991227 °   |           |
|                 |                         |              | -121.437498 °          | -121.437498 ° |           |
| DWR ID          | DWR_RD1001_03_s_2013_34 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Prunings        |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_875.jpg



Walnut stumps at the levee toe. Spring 2013

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>3.84</b>             | Rating **    | M                      | Issue No.     | <b>35</b> |
| LM End          | <b>3.84</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.991208 °            | 38.991208 °   |           |
|                 |                         |              | -121.439943 °          | -121.439943 ° |           |
| DWR ID          | DWR_RD1001_03_s_2013_35 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Firewood        |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_876.jpg



Firewood piled up at the levee toe. Spring 2013

|                 |                        |              |                        |               |          |
|-----------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start        | <b>3.95</b>            | Rating **    | M                      | Issue No.     | <b>6</b> |
| LM End          | <b>3.95</b>            | Issue Type + | En                     | Location *    | LS       |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                 |                        |              | Start                  | End           |          |
| Item            | Encroachments          |              | 38.991203 °            | 38.991203 °   |          |
|                 |                        |              | -121.441930 °          | -121.441930 ° |          |
| DWR ID          | DWR_RD1001_03_s_2013_6 |              |                        |               |          |
| Action/Comments |                        |              |                        |               |          |
| Prunings        |                        |              |                        |               |          |

Photo 1 of 1 : mhoffman\_s\_20140401\_840.jpg



Walnut stumps at the levee toe. Spring 2013

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway               |  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|--|------|------------|--------------------------|-----------------|
| Unit No. 03 Bear River |  | Left | 12.60      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|                 |                        |              |                        |               |          |
|-----------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start        | <b>4.05</b>            | Rating **    | M                      | Issue No.     | <b>7</b> |
| LM End          | <b>4.11</b>            | Issue Type + | En                     | Location *    | LS       |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                 |                        |              | Start                  | End           |          |
| Item            | Encroachments          |              | 38.991299 °            | 38.991413 °   |          |
|                 |                        |              | -121.443830 °          | -121.444865 ° |          |
| DWR ID          | DWR_RD1001_03_s_2012_7 |              |                        |               |          |
| Action/Comments |                        |              |                        |               |          |
| Material        |                        |              |                        |               |          |

Photo 1 of 1 : mhoffman\_s\_20140401\_841.jpg



Irrigation pipe equipment and plastic cans within the easement of the levee. Spring 2013

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>4.31</b>             | Rating **    | M                      | Issue No.     | <b>46</b> |
| LM End   | <b>4.31</b>             | Issue Type + | Ma                     | Location *    | CR        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Slope Stability         |              | 38.992063 °            | 38.992063 °   |           |
|  |                         |              | -121.448390 °          | -121.448390 ° |           |
| DWR ID   | DWR_RD1001_03_f_2013_46 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible.<br>Inspector Comments: Rutting caused by vehicles driving up the waterward levee slope. |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_881.jpg



This photo was taken from the crown of the levee facing west looking down the slope at rutting caused by vehicles driving up the waterward levee slope.

|                   |
|-------------------|
| <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. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 03 Bear River | Left | 12.60      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|                 |                        |              |                        |               |          |
|-----------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start        | <b>4.49</b>            | Rating **    | M                      | Issue No.     | <b>9</b> |
| LM End          | <b>4.49</b>            | Issue Type + | En                     | Location *    | LS       |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                 |                        |              | Start                  | End           |          |
| Item            | Encroachments          |              | 38.991867 °            | 38.991867 °   |          |
|                 |                        |              | -121.451743 °          | -121.451743 ° |          |
| DWR ID          | DWR_RD1001_03_s_2013_9 |              |                        |               |          |
| Action/Comments |                        |              |                        |               |          |
| Material        |                        |              |                        |               |          |

Photo 1 of 1 : mhoffman\_s\_20140401\_843.jpg



Drip irrigation tubing within the easement of the levee. Spring 2013

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>4.68</b>             | Rating **    | A/W                    | Issue No.     | <b>58</b> |
| LM End   | <b>4.68</b>             | Issue Type + | En                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Vegetation              |              | 38.991513 °            | 38.991513 °   |           |
|  |                         |              | -121.455220 °          | -121.455220 ° |           |
| DWR ID   | DWR_RD1001_03_s_2012_58 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Elderberries are blocking visibility and flood fight capability. |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_883.jpg



RD 1001 Unit 3 - W/S slope -Elderberries

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>4.71</b>             | Rating **    | M                      | Issue No.     | <b>12</b> |
| LM End          | <b>4.71</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.991413 °            | 38.991413 °   |           |
|                 |                         |              | -121.455866 °          | -121.455866 ° |           |
| DWR ID          | DWR_RD1001_03_s_2012_12 |              |                        |               |           |
| 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. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 03 Bear River | Left | 12.60      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>4.75</b>             | Rating **    | M                      | Issue No.     | <b>36</b> |
| LM End          | <b>4.75</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.991228 °            | 38.991228 °   |           |
|                 |                         |              | -121.456472 °          | -121.456472 ° |           |
| DWR ID          | DWR_RD1001_03_s_2013_36 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Prunings        |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_877.jpg



Small pruning pile at toe of levee. Spring 2013

|  |                          |              |                        |               |            |
|--|--------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>4.85</b>              | Rating **    | A/W                    | Issue No.     | <b>910</b> |
| LM End   | <b>4.85</b>              | Issue Type + | Ma                     | Location *    | LS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|  |                          |              | Start                  | End           |            |
| Item   | Vegetation               |              | 38.990773 °            | 38.990773 °   |            |
|  |                          |              | -121.458203 °          | -121.458203 ° |            |
| DWR ID   | DWR_RD1001_03_s_2012_910 |              |                        |               |            |
| Action/Comments  |                          |              |                        |               |            |
| Elderberries are blocking visibility and flood fight capability. |                          |              |                        |               |            |

Photo 1 of 1 : mhoffman\_s\_20140401\_886.jpg



RD 1001 Unit 3 - L/S slope -Elderberries

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>4.99</b>             | Rating **    | M                      | Issue No.     | <b>14</b> |
| LM End          | <b>4.99</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.990000 °            | 38.990000 °   |           |
|                 |                         |              | -121.460597 °          | -121.460597 ° |           |
| DWR ID          | DWR_RD1001_03_s_2012_14 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Prunings        |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_851.jpg



Pruning pile at toe of the levee. Spring 2013

|                   |
|-------------------|
| <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. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 03 Bear River | Left | 12.60      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>5.59</b>             | Rating **    | M                      | Issue No.     | <b>47</b> |
| LM End  | <b>6.02</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.987021 °            | 38.985098 °   |           |
|   |                         |              | -121.471033 °          | -121.478591 ° |           |
| DWR ID  | DWR_RD1001_03_f_2013_47 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Control annual grass and weeds on the levee slopes and easements. |                         |              |                        |               |           |

No Photos

|                 |                        |              |                        |               |          |
|-----------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start        | <b>5.67</b>            | Rating **    | M                      | Issue No.     | <b>8</b> |
| LM End          | <b>5.67</b>            | Issue Type + | En                     | Location *    | LS       |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                 |                        |              | Start                  | End           |          |
| Item            | Encroachments          |              | 38.986638 °            | 38.986638 °   |          |
|                 |                        |              | -121.472457 °          | -121.472457 ° |          |
| DWR ID          | DWR_RD1001_03_s_2013_8 |              |                        |               |          |
| Action/Comments |                        |              |                        |               |          |
| Prunings        |                        |              |                        |               |          |

Photo 1 of 1 : mhoffman\_s\_20140401\_842.jpg



Pruning pile within the easement of the levee. Spring 2013

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>6.17</b>             | Rating **    | M                      | Issue No.     | <b>37</b> |
| LM End          | <b>6.17</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.984672 °            | 38.984672 °   |           |
|                 |                         |              | -121.481322 °          | -121.481322 ° |           |
| DWR ID          | DWR_RD1001_03_s_2013_37 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Firewood        |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_878.jpg



A very neat stack of firewood within the easement of the levee. Spring 2013

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 03 Bear River | Left | 12.60      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>6.50</b>             | Rating **    | M                      | Issue No.     | <b>38</b> |
| LM End  | <b>6.50</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Erosion / Bank Caving   |              | 38.984010 °            | 38.984010 °   |           |
|   |                         |              | -121.487420 °          | -121.487420 ° |           |
| DWR ID  | DWR_RD1001_03_s_2013_38 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Schedule repair of erosion site prior to the next inspection. |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_879.jpg



Erosion caused by run off from the roadway. Spring 2013

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>6.88</b>             | Rating **    | M                      | Issue No.     | <b>39</b> |
| LM End          | <b>6.88</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.983328 °            | 38.983328 °   |           |
|                 |                         |              | -121.494400 °          | -121.494400 ° |           |
| DWR ID          | DWR_RD1001_03_s_2013_39 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Prunings        |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_880.jpg



Walnut stumps within the easement of the levee. Spring 2013

|  |                      |              |                        |               |           |
|--|----------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>7.25</b>          | Rating **    | M                      | Issue No.     | <b>19</b> |
| LM End   | <b>7.35</b>          | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Supplemental         |              | GPS Latitude/Longitude |               |           |
|  |                      |              | Start                  | End           |           |
| Item   | USACE Erosion Survey |              | 38.982737 °            | 38.982572 °   |           |
|  |                      |              | -121.501144 °          | -121.502797 ° |           |
| DWR ID   |                      |              |                        |               |           |
| Action/Comments  |                      |              |                        |               |           |
| Inspector Comments: 2008 - Sandy/silty banks with rotational slab failures creating near vertical bank with pop-outs due to tree failures. Narrow berm. 2013: No observed changes. [2013 Site ID: BER_5-7_L] |                      |              |                        |               |           |

Photo 1 of 1 : USACE2013A\_BER\_5-7\_L\_2.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. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 03 Bear River | Left | 12.60      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>9.68</b>             | Rating **    | M                      | Issue No.     | <b>49</b> |
| LM End  | <b>9.68</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Encroachments           |              | 38.968448 °            | 38.968448 °   |           |
|   |                         |              | -121.536580 °          | -121.536580 ° |           |
| DWR ID  | DWR_RD1001_03_f_2013_49 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Tree or limb<br>Inspector Comments: Fallen tree on waterward slope. |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_882.jpg



This photo was taken from the levee crown facing west looking down the waterward slope at a tree that had fallen down.

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>10.22</b>            | Rating **    | M                      | Issue No.     | <b>24</b> |
| LM End   | <b>10.22</b>            | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.967396 °            | 38.967396 °   |           |
|  |                         |              | -121.543615 °          | -121.543615 ° |           |
| DWR ID   | DWR_RD1001_03_s_2013_24 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Trim and thin trees to allow visibility of the ground and room to flood fight. |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_863.jpg



Trees partially obstruct visibility. Spring 2013

|   |                      |              |                        |               |           |
|---|----------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>10.44</b>         | Rating **    | M                      | Issue No.     | <b>17</b> |
| LM End  | <b>10.46</b>         | Issue Type + | Ma                     | Location *    | WS        |
| Category  | Supplemental         |              | GPS Latitude/Longitude |               |           |
|   |                      |              | Start                  | End           |           |
| Item  | USACE Erosion Survey |              | 38.964583 °            | 38.964010 °   |           |
|   |                      |              | -121.544967 °          | -121.545228 ° |           |
| DWR ID  |                      |              |                        |               |           |
| Action/Comments   |                      |              |                        |               |           |
| Inspector Comments: 2011 - Large section of bank has slumped off. RD has flagged and appears to be watching. 2012 - Slopes slightly steeper. 2013: Minor new erosion. [2013 Site ID: BER_2-5_L] |                      |              |                        |               |           |

Photo 1 of 1 : USACE2013A\_BER\_2-5\_L\_2.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. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 03 Bear River | Left | 12.60      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>10.60</b>            | Rating **    | M                      | Issue No.     | <b>11</b> |
| LM End   | <b>10.60</b>            | Issue Type + | En                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Encroachments           |              | 38.962202 °            | 38.962202 °   |           |
|  |                         |              | -121.546128 °          | -121.546128 ° |           |
| DWR ID   | DWR_RD1001_03_f_2013_11 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Debris<br>Inspector Comments: Metal guard rail on the waterward slope of the levee near the crown. |                         |              |                        |               |           |

No Photos

|                             |                         |              |                        |               |           |
|-----------------------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start                    | <b>10.81</b>            | Rating **    | A/W                    | Issue No.     | <b>50</b> |
| LM End                      | <b>11.01</b>            | Issue Type + | Ob                     | Location *    | WS        |
| Category                    | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                             |                         |              | Start                  | End           |           |
| Item                        | Vegetation              |              | 38.959066 °            | 38.956212 °   |           |
|                             |                         |              | -121.546964 °          | -121.547953 ° |           |
| DWR ID                      | DWR_RD1001_03_f_2013_50 |              |                        |               |           |
| Action/Comments             |                         |              |                        |               |           |
| Environmental Requirements. |                         |              |                        |               |           |

No Photos

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>11.09</b>            | Rating **    | C                      | Issue No.     | <b>51</b> |
| LM End  | <b>11.51</b>            | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.955307 °            | 38.951296 °   |           |
|   |                         |              | -121.548809 °          | -121.554265 ° |           |
| DWR ID  | DWR_RD1001_03_f_2013_51 |              |                        |               |           |
| 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. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 03 Bear River | Left | 12.60      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|   |                      |              |                        |               |           |
|---|----------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>11.15</b>         | Rating **    | M                      | Issue No.     | <b>10</b> |
| LM End  | <b>11.21</b>         | Issue Type + | Ma                     | Location *    | WS        |
| Category  | Supplemental         |              | GPS Latitude/Longitude |               |           |
|   |                      |              | Start                  | End           |           |
| Item  | USACE Erosion Survey |              | 38.955070 °            | 38.954227 °   |           |
|   |                      |              | -121.549528 °          | -121.550592 ° |           |
| DWR ID  |                      |              |                        |               |           |
| Action/Comments   |                      |              |                        |               |           |
| Inspector Comments: 2011 - Large slumped sections of bank. 2012 - Slopes slightly steeper. 2013: No observed changes. [2013 Site ID: BER_1-9_L] |                      |              |                        |               |           |

Photo 1 of 1 : USACE2013A\_BER\_1-9\_L\_2.jpg



USACE 2013 Photo #1

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>11.29</b>            | Rating **    | M                      | Issue No.     | <b>22</b> |
| LM End   | <b>11.32</b>            | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Vegetation              |              | 38.953367 °            | 38.953025 °   |           |
|  |                         |              | -121.551428 °          | -121.551808 ° |           |
| DWR ID   | DWR_RD1001_03_s_2012_22 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Elderberries are blocking visibility and flood fight capability. |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_862.jpg



RD 1001 Unit 3 - L/S slope -Elderberries

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>11.46</b>            | Rating **    | C                      | Issue No.     | <b>60</b> |
| LM End   | <b>11.61</b>            | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Trim / Thin Trees       |              | 38.951727 °            | 38.951187 °   |           |
|  |                         |              | -121.553513 °          | -121.556143 ° |           |
| DWR ID   | DWR_RD1001_03_s_2012_60 |              |                        |               |           |
| 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. 1001 Nicolaus**

| Waterway               |  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|--|------|------------|--------------------------|-----------------|
| Unit No. 03 Bear River |  | Left | 12.60      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|                             |                         |              |                        |               |           |
|-----------------------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start                    | <b>11.65</b>            | Rating **    | A/W                    | Issue No.     | <b>25</b> |
| LM End                      | <b>11.86</b>            | Issue Type + | Ma                     | Location *    | WS        |
| Category                    | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                             |                         |              | Start                  | End           |           |
| Item                        | Vegetation              |              | 38.951302 °            | 38.950960 °   |           |
|                             |                         |              | -121.556872 °          | -121.560717 ° |           |
| DWR ID                      | DWR_RD1001_03_s_2013_25 |              |                        |               |           |
| Action/Comments             |                         |              |                        |               |           |
| Environmental Requirements. |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_864.jpg



Revegetation site in progress. Spring 2013

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>11.91</b>            | Rating **    | A/W                    | Issue No.     | <b>52</b> |
| LM End          | <b>11.91</b>            | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.950478 °            | 38.950478 °   |           |
|                 |                         |              | -121.561227 °          | -121.561227 ° |           |
| DWR ID          | DWR_RD1001_03_f_2013_52 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Building        |                         |              |                        |               |           |

No Photos

|   |                      |              |                        |               |          |
|---|----------------------|--------------|------------------------|---------------|----------|
| LM Start  | <b>12.13</b>         | Rating **    | M                      | Issue No.     | <b>1</b> |
| LM End  | <b>12.22</b>         | Issue Type + | Ma                     | Location *    | WS       |
| Category  | Supplemental         |              | GPS Latitude/Longitude |               |          |
|   |                      |              | Start                  | End           |          |
| Item  | USACE Erosion Survey |              | 38.947591 °            | 38.946477 °   |          |
|   |                      |              | -121.563390 °          | -121.564094 ° |          |
| DWR ID  |                      |              |                        |               |          |
| Action/Comments   |                      |              |                        |               |          |
| Inspector Comments: 2006 - Multiple rotational failures in the berm. Erosion is into the levee toe and lower slope. Tension cracks extensive at top of bank. Cohesive toe creates a bench on which failures occur. 2007 - Still steep bank with some berm with pistol-butted reeds. 2012 - Site extended upstream due to additional slumping. Slopes slightly steeper. 2013: No observed changes. [2013 Site ID: BER_0-8_L] |                      |              |                        |               |          |

Photo 1 of 1 : USACE2013A\_BER\_0-8\_L\_5.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. 1001 Nicolaus**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 03 Bear River | Left | 12.60      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>12.24</b>            | Rating **    | M  | Issue No.              | <b>27</b>     |
| LM End   | <b>12.24</b>            | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 38.946248 °            | 38.946248 °   |
|  |                         |              |    | -121.564220 °          | -121.564220 ° |
| DWR ID   | DWR_RD1001_03_s_2012_27 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| Elderberries are blocking visibility and flood fight capability. |                         |              |    |                        |               |

Photo 1 of 1 : mhoffman\_s\_20140401\_866.jpg



RD 1001 Unit 3 - L/S slope -Elderberries @ 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**

**Unit Cover Sheet**

**Spring 2014 Levee Inspection Results**

**Reclamation District No. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles |
|---------------------------|------|------------|
| Unit No. 04 Feather River | Left | 13.36      |

|  | 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                     | 05/06/2014 - 05/06/2014 |                           |                                |                                 |
| DWR Inspector                          | Matthew Hoffman         |                           |                                |                                 |
| 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. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Feather River | Left | 13.36      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>0.03</b>             | Rating **    | C                      | Issue No.     | <b>13</b> |
| LM End  | <b>2.00</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.941220 °            | 38.913890 °   |           |
|   |                         |              | -121.567521 °          | -121.572600 ° |           |
| DWR ID  | DWR_RD1001_04_s_2012_13 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Remove the wild growth other than native grasses from the levee slopes. |                         |              |                        |               |           |

No Photos

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>2.32</b>             | Rating **    | A/W                    | Issue No.     | <b>19</b> |
| LM End          | <b>2.32</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.909790 °            | 38.909790 °   |           |
|                 |                         |              | -121.574449 °          | -121.574449 ° |           |
| DWR ID          | DWR_RD1001_04_s_2013_19 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Pole            |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_681.jpg



Power pole and guy wire on the levee slope. Spring 2013

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>2.66</b>             | Rating **    | M                      | Issue No.     | <b>20</b> |
| LM End          | <b>2.66</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.905591 °            | 38.905591 °   |           |
|                 |                         |              | -121.577432 °          | -121.577432 ° |           |
| DWR ID          | DWR_RD1001_04_s_2013_20 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Building        |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_682.jpg



Buildings along the toe within the easement of the levee. Spring 2013

|   |  |  |
|---|--|--|
| <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. 1001 Nicolaus**

| Waterway                  |  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|--|------|------------|--------------------------|-----------------|
| Unit No. 04 Feather River |  | Left | 13.36      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|                 |                          |              |                        |               |            |
|-----------------|--------------------------|--------------|------------------------|---------------|------------|
| LM Start        | <b>2.88</b>              | Rating **    | M                      | Issue No.     | <b>148</b> |
| LM End          | <b>2.88</b>              | Issue Type + | En                     | Location *    | LS         |
| Category        | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|                 |                          |              | Start                  | End           |            |
| Item            | Encroachments            |              | 38.903512 °            | 38.903512 °   |            |
|                 |                          |              | -121.580457 °          | -121.580457 ° |            |
| DWR ID          | DWR_RD1001_04_s_2012_148 |              |                        |               |            |
| Action/Comments |                          |              |                        |               |            |
| Tree or limb    |                          |              |                        |               |            |

Photo 1 of 1 : mhoffman\_s\_20140401\_695.jpg



RD 1001 Unit 4 - L/S slope - Limb/Wood Pile.

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>3.14</b>             | Rating **    | M                      | Issue No.     | <b>41</b> |
| LM End          | <b>3.14</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.900441 °            | 38.900441 °   |           |
|                 |                         |              | -121.583093 °          | -121.583093 ° |           |
| DWR ID          | DWR_RD1001_04_f_2013_41 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Tree or limb    |                         |              |                        |               |           |

No Photos

|   |                          |              |                        |               |            |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start  | <b>3.79</b>              | Rating **    | M                      | Issue No.     | <b>849</b> |
| LM End  | <b>3.79</b>              | Issue Type + | Ma                     | Location *    | LS         |
| Category  | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|   |                          |              | Start                  | End           |            |
| Item  | Vegetation               |              | 38.895086 °            | 38.895086 °   |            |
|   |                          |              | -121.592784 °          | -121.592784 ° |            |
| DWR ID  | DWR_RD1001_04_s_2014_849 |              |                        |               |            |
| Action/Comments   |                          |              |                        |               |            |
| Control annual grass and weeds on the levee slopes and easements. |                          |              |                        |               |            |

Photo 1 of 1 : mhoffman\_s\_20140513\_00999.jpg



This photo was taken from the crown facing west looking down the landward levee slope at vegetation requiring maintenance. Spring 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. 1001 Nicolaus**

| Waterway                  |  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|--|------|------------|--------------------------|-----------------|
| Unit No. 04 Feather River |  | Left | 13.36      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>5.05</b>             | Rating **    | A/W                    | Issue No.     | <b>27</b> |
| LM End   | <b>5.05</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Vegetation              |              | 38.884813 °            | 38.884813 °   |           |
|  |                         |              | -121.611493 °          | -121.611493 ° |           |
| DWR ID   | DWR_RD1001_04_s_2013_27 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Elderberries are blocking visibility and flood fight capability. |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_690.jpg



Elderberry Spring 2013

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>5.07</b>             | Rating **    | M                      | Issue No.     | <b>42</b> |
| LM End  | <b>5.07</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.884636 °            | 38.884636 °   |           |
|   |                         |              | -121.611468 °          | -121.611468 ° |           |
| DWR ID  | DWR_RD1001_04_f_2013_42 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Maintain tall grass and vegetation on landward slope. |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_694.jpg



This photo was taken from the levee crown facing west looking down at the vegetation on the landward slope.

|  |                          |              |                        |               |            |
|--|--------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>5.60</b>              | Rating **    | A/W                    | Issue No.     | <b>149</b> |
| LM End   | <b>5.60</b>              | Issue Type + | En                     | Location *    | WS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|  |                          |              | Start                  | End           |            |
| Item   | Vegetation               |              | 38.877312 °            | 38.877312 °   |            |
|  |                          |              | -121.613077 °          | -121.613077 ° |            |
| DWR ID   | DWR_RD1001_04_s_2012_149 |              |                        |               |            |
| Action/Comments  |                          |              |                        |               |            |
| Elderberries are blocking visibility and flood fight capability. |                          |              |                        |               |            |

Photo 1 of 1 : mhoffman\_s\_20140401\_696.jpg



RD 1001 Unit 4 - W/S slope - Elderberries

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway                  |  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|--|------|------------|--------------------------|-----------------|
| Unit No. 04 Feather River |  | Left | 13.36      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|  |                      |              |                        |               |          |
|--|----------------------|--------------|------------------------|---------------|----------|
| LM Start   | <b>5.78</b>          | Rating **    | M                      | Issue No.     | <b>8</b> |
| LM End   | <b>6.01</b>          | Issue Type + | Ma                     | Location *    | WS       |
| Category   | Supplemental         |              | GPS Latitude/Longitude |               |          |
|  |                      |              | Start                  | End           |          |
| Item   | USACE Erosion Survey |              | 38.874113 °            | 38.872373 °   |          |
|  |                      |              | -121.615380 °          | -121.616504 ° |          |
| DWR ID   |                      |              |                        |               |          |
| Action/Comments  |                      |              |                        |               |          |
| Inspector Comments: 2011 - Erosion pockets from tree popouts. Sections of the lower bank have slumped off. 2013: Scallop from tree popouts no longer visible on site. Minor new erosion at the middle of the bank. [2013 Site ID: FHR_6-6_L] |                      |              |                        |               |          |

Photo 1 of 1 : USACE2013A\_FHR\_6-6\_L\_3.jpg



USACE 2013 Photo #1

|   |                          |              |                        |               |            |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start  | <b>5.84</b>              | Rating **    | M                      | Issue No.     | <b>844</b> |
| LM End  | <b>5.84</b>              | Issue Type + | En                     | Location *    | WS         |
| Category  | Supplemental             |              | GPS Latitude/Longitude |               |            |
|   |                          |              | Start                  | End           |            |
| Item  | DWR UCIP Field Study     |              | 38.874113 °            | 38.874113 °   |            |
|   |                          |              | -121.614846 °          | -121.614846 ° |            |
| DWR ID  | DWR_RD1001_04_s_2014_844 |              |                        |               |            |
| Action/Comments   |                          |              |                        |               |            |
| Inspector Comments: FS_ID:14604<br>EP_NO: 10389<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: - water leakage causes erosion on LS slope may be pressure breaker valve not closed properly on LS a 36-inch concrete standpipe at the landward toe not found.<br>FIELD_STRUCT_DESC: 12-inch irrigation pipe through the levee, 10.0 feet below the crown, slant pump on the bank, siphon breaker in a 24-inch corrugated metal pipe riser on the landward slope, pipe discharges into a 36-inch concrete standpipe at the landward toe, pipe installed by the U.S.C.E. in 1963, switch panel and service pole at the landward toe (Permit No. 10389, 1974)<br>FS Date: 5/16/2013 |                          |              |                        |               |            |

Photo 1 of 1 : UCIP\_1077.jpg



WS- slanted pump station on steel platform on levee 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. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Feather River | Left | 13.36      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|   |                      |              |                        |               |          |
|---|----------------------|--------------|------------------------|---------------|----------|
| LM Start  | <b>6.47</b>          | Rating **    | M                      | Issue No.     | <b>7</b> |
| LM End  | <b>6.57</b>          | Issue Type + | Ma                     | Location *    | WS       |
| Category  | Supplemental         |              | GPS Latitude/Longitude |               |          |
|   |                      |              | Start                  | End           |          |
| Item  | USACE Erosion Survey |              | 38.865875 °            | 38.864706 °   |          |
|   |                      |              | -121.619983 °          | -121.620813 ° |          |
| DWR ID  |                      |              |                        |               |          |
| Action/Comments   |                      |              |                        |               |          |
| Inspector Comments: 2011 - Tall slumping sections. Scour around trees has exposed most of the roots. 2013: No observed changes. [2013 Site ID: FHR_6-0_L] |                      |              |                        |               |          |

Photo 1 of 1 : USACE2013A\_FHR\_6-0\_L\_3.jpg



USACE 2013 Photo #1

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>6.48</b>             | Rating **    | M                      | Issue No.     | <b>17</b> |
| LM End          | <b>6.48</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Vegetation              |              | 38.865653 °            | 38.865653 °   |           |
|                 |                         |              | -121.619742 °          | -121.619742 ° |           |
| DWR ID          | DWR_RD1001_04_s_2012_17 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Landscaping     |                         |              |                        |               |           |

Photo 1 of 2 : mhoffman\_s\_20140401\_679.jpg



Landscaping on the landside shoulder and slope levee mile 6.48.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>6.48</b> | Rating **    | M  | Issue No.  | <b>17 (cont)</b> |
| LM End   | <b>6.48</b> | Issue Type + | En | Location * | LS               |

Photo 2 of 2 : mhoffman\_s\_20140401\_680.jpg



Landscaping levee mile 6.48.

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Feather River | Left | 13.36      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|  |                      |              |                        |               |          |
|--|----------------------|--------------|------------------------|---------------|----------|
| LM Start   | <b>6.63</b>          | Rating **    | M                      | Issue No.     | <b>6</b> |
| LM End   | <b>6.88</b>          | Issue Type + | Ma                     | Location *    | WS       |
| Category   | Supplemental         |              | GPS Latitude/Longitude |               |          |
|  |                      |              | Start                  | End           |          |
| Item   | USACE Erosion Survey |              | 38.863946 °            | 38.861558 °   |          |
|  |                      |              | -121.621388 °          | -121.623316 ° |          |
| DWR ID   |                      |              |                        |               |          |
| Action/Comments  |                      |              |                        |               |          |
| Inspector Comments: 2011 - Large slumped sections on the lower |                      |              |                        |               |          |

Photo 1 of 1 : USACE2013A\_FHR\_5-8\_L\_1.jpg



USACE 2013 Photo #1

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>6.64</b>             | Rating **    | M                      | Issue No.     | <b>18</b> |
| LM End   | <b>6.64</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Vegetation              |              | 38.863700 °            | 38.863700 °   |           |
|  |                         |              | -121.621198 °          | -121.621198 ° |           |
| DWR ID   | DWR_RD1001_04_s_2012_18 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Elderberries are blocking visibility and flood fight capability. |                         |              |                        |               |           |

No Photos

|                             |                         |              |                        |               |           |
|-----------------------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start                    | <b>6.86</b>             | Rating **    | A/W                    | Issue No.     | <b>28</b> |
| LM End                      | <b>6.86</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category                    | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                             |                         |              | Start                  | End           |           |
| Item                        | Vegetation              |              | 38.861071 °            | 38.861071 °   |           |
|                             |                         |              | -121.623332 °          | -121.623332 ° |           |
| DWR ID                      | DWR_RD1001_04_s_2013_28 |              |                        |               |           |
| Action/Comments             |                         |              |                        |               |           |
| Environmental Requirements. |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_691.jpg



Revegetation site. Spring 2013

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway                  |  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|--|------|------------|--------------------------|-----------------|
| Unit No. 04 Feather River |  | Left | 13.36      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>7.47</b>             | Rating **    | M                      | Issue No.     | <b>43</b> |
| LM End          | <b>7.47</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Vegetation              |              | 38.853221 °            | 38.853221 °   |           |
|                 |                         |              | -121.628469 °          | -121.628469 ° |           |
| DWR ID          | DWR_RD1001_04_f_2013_43 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Landscaping     |                         |              |                        |               |           |

No Photos

|  |                      |              |                        |               |          |
|--|----------------------|--------------|------------------------|---------------|----------|
| LM Start   | <b>7.54</b>          | Rating **    | M                      | Issue No.     | <b>5</b> |
| LM End   | <b>7.86</b>          | Issue Type + | Ma                     | Location *    | WS       |
| Category   | Supplemental         |              | GPS Latitude/Longitude |               |          |
|  |                      |              | Start                  | End           |          |
| Item   | USACE Erosion Survey |              | 38.852394 °            | 38.848004 °   |          |
|  |                      |              | -121.629231 °          | -121.630873 ° |          |
| DWR ID   |                      |              |                        |               |          |
| Action/Comments  |                      |              |                        |               |          |
| Inspector Comments: 2000 - Steep bank off berm with some slumps and fallen trees, continued erosion. 2002 - Site lengthened upstream and downstream due to vertical bank along most of the reach. 2010 - Site extended upstream. 2011 - Minimal new erosion. 2012 - Site extended on the upstream end, new tree pop-out, and bank erosion continues to worsen. 2013: Minor new erosion at the toe and top of bank. [2013 Site ID: FHR_5-0_L] |                      |              |                        |               |          |

Photo 1 of 1 : USACE2013A\_FHR\_5-0\_L\_1.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. 1001 Nicolaus**

| Waterway                  |  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|--|------|------------|--------------------------|-----------------|
| Unit No. 04 Feather River |  | Left | 13.36      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|   |                      |              |                        |               |          |
|---|----------------------|--------------|------------------------|---------------|----------|
| LM Start  | <b>8.64</b>          | Rating **    | M                      | Issue No.     | <b>4</b> |
| LM End  | <b>8.95</b>          | Issue Type + | Ma                     | Location *    | WS       |
| Category  | Supplemental         |              | GPS Latitude/Longitude |               |          |
|   |                      |              | Start                  | End           |          |
| Item  | USACE Erosion Survey |              | 38.836966 °            | 38.831498 °   |          |
|   |                      |              | -121.634128 °          | -121.636371 ° |          |
| DWR ID  |                      |              |                        |               |          |
| Action/Comments   |                      |              |                        |               |          |
| Inspector Comments: 2006 - Sandy, silty bank with intermittent pockets of erosion. Rotational failure and tree pop outs are most of the problem. Some upper slope fluvial erosion. 2010 - Site extended upstream. The lower Feather may benefit from a regional repair. 2011 - Site combined with 3.6. Minimal new erosion. 2013: New erosion observed at bank toe. Trees on site now have exposed roots. [2013 Site ID: FHR_3-8_L] |                      |              |                        |               |          |

Photo 1 of 1 : USACE2013A\_FHR\_3-8\_L\_2.jpg



USACE 2013 Photo #1

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>8.72</b>             | Rating **    | M                      | Issue No.     | <b>12</b> |
| LM End   | <b>8.72</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Vegetation              |              | 38.835766 °            | 38.835766 °   |           |
|  |                         |              | -121.633966 °          | -121.633966 ° |           |
| DWR ID   | DWR_RD1001_04_s_2012_12 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Elderberries are blocking visibility and flood fight capability. |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_677.jpg



RD 1001 Unit 4 - W/S slope - Elderberries

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway                  |  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|--|------|------------|--------------------------|-----------------|
| Unit No. 04 Feather River |  | Left | 13.36      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>9.22</b>              | Rating **    | M  | Issue No.              | <b>845</b>    |
| LM End  | <b>9.22</b>              | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental             |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study     |              |    | 38.828893 °            | 38.828893 °   |
|   |                          |              |    | -121.637218 °          | -121.637218 ° |
| DWR ID  | DWR_RD1001_04_s_2014_845 |              |    |                        |               |
| Action/Comments   |                          |              |    |                        |               |
| Inspector Comments: FS_ID:14563<br>EP_NO: 12828<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: - needs detailed investigation for road surface cracks<br>FIELD_STRUCT_DESC: 16-inch asphalt-coated steel irrigation pipe through the levee, 4.3 feet below the crown, 30-horsepower slant pump and platform on the bank (Permit No. 12828, 1979). O&M Manual Sac 141.1, August 1955.<br>FS Date: 5/16/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1049.jpg



WS- slanted pipe in steel structure on river bank.

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>9.51</b>              | Rating **    | M  | Issue No.              | <b>846</b>    |
| LM End   | <b>9.51</b>              | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental             |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study     |              |    | 38.825107 °            | 38.825107 °   |
|  |                          |              |    | -121.639369 °          | -121.639369 ° |
| DWR ID   | DWR_RD1001_04_s_2014_846 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| Inspector Comments: FS_ID:14544<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: - seems abandoned pipe crossing needs properly abandoned a 48" steel tank not found on landside.<br>FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 5.0 feet below the crown, pump on the bank, pipe discharges into a 48-inch steel tank at the landward toe (Johnston)<br>FS Date: 5/16/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1033.jpg



LS- overview of landside, steel pipe on 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**

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

**Reclamation District No. 1001 Nicolaus**

| Waterway                  |  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|--|------|------------|--------------------------|-----------------|
| Unit No. 04 Feather River |  | Left | 13.36      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>9.74</b>             | Rating **    | M                      | Issue No.     | <b>21</b> |
| LM End          | <b>9.74</b>             | Issue Type + | En                     | Location *    | WS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Vegetation              |              | 38.833088 °            | 38.833088 °   |           |
|                 |                         |              | -121.635103 °          | -121.635103 ° |           |
| DWR ID          | DWR_RD1001_04_s_2012_21 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Landscaping     |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_683.jpg



RD 1001 Unit 4 - W/S slope -Landscaping/Trees

|   |                          |              |                        |               |            |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start  | <b>9.99</b>              | Rating **    | M                      | Issue No.     | <b>847</b> |
| LM End  | <b>9.99</b>              | Issue Type + | En                     | Location *    | WS         |
| Category  | Supplemental             |              | GPS Latitude/Longitude |               |            |
|   |                          |              | Start                  | End           |            |
| Item  | DWR UCIP Field Study     |              | 38.818341 °            | 38.818341 °   |            |
|   |                          |              | -121.638890 °          | -121.638890 ° |            |
| DWR ID  | DWR_RD1001_04_s_2014_847 |              |                        |               |            |
| Action/Comments   |                          |              |                        |               |            |
| Inspector Comments: FS_ID:14627<br>EP_NO: 3297<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: - needs properly abandoned.dismantled standpipe found on LS levee slope<br>FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 3.0 feet below the crown, slant pump mounted on a steel structure on the bank, siphon breaker on the landward shoulder, pipe discharges into a 24-inch concrete standpipe at the landward toe (Permit No. 3297, 1960).<br>FS Date: 5/16/2013 |                          |              |                        |               |            |

Photo 1 of 1 : UCIP\_1080.jpg



WS- abandoned slanted pump station in steel pipe structure in river bank.

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Feather River | Left | 13.36      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>10.26</b>            | Rating **    | M                      | Issue No.     | <b>44</b> |
| LM End  | <b>10.26</b>            | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.814909 °            | 38.814909 °   |           |
|   |                         |              | -121.636509 °          | -121.636509 ° |           |
| DWR ID  | DWR_RD1001_04_f_2013_44 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Control annual grass and weeds on the levee slopes and easements. |                         |              |                        |               |           |

No Photos

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>10.68</b>            | Rating **    | M                      | Issue No.     | <b>29</b> |
| LM End          | <b>10.68</b>            | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.809211 °            | 38.809211 °   |           |
|                 |                         |              | -121.633910 °          | -121.633910 ° |           |
| DWR ID          | DWR_RD1001_04_s_2013_29 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Building        |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_692.jpg



The building is within the easement of the levee. Spring 2013

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>10.68</b>            | Rating **    | M                      | Issue No.     | <b>30</b> |
| LM End          | <b>10.68</b>            | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.809212 °            | 38.809212 °   |           |
|                 |                         |              | -121.633910 °          | -121.633910 ° |           |
| DWR ID          | DWR_RD1001_04_s_2013_30 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Retaining Wall  |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_693.jpg



A retaining wall is within the profile of the slope. Spring 2013

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Feather River | Left | 13.36      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>11.15</b>            | Rating **    | M                      | Issue No.     | <b>22</b> |
| LM End   | <b>11.15</b>            | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Vegetation              |              | 38.802508 °            | 38.802508 °   |           |
|  |                         |              | -121.632862 °          | -121.632862 ° |           |
| DWR ID   | DWR_RD1001_04_s_2012_22 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Elderberries are blocking visibility and flood fight capability. |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_684.jpg



RD 1001 Unit 4 - L/S slope - Elderberries

|   |                      |              |                        |               |          |
|---|----------------------|--------------|------------------------|---------------|----------|
| LM Start  | <b>11.19</b>         | Rating **    | M                      | Issue No.     | <b>2</b> |
| LM End  | <b>11.44</b>         | Issue Type + | Ma                     | Location *    | WS       |
| Category  | Supplemental         |              | GPS Latitude/Longitude |               |          |
|   |                      |              | Start                  | End           |          |
| Item  | USACE Erosion Survey |              | 38.800920 °            | 38.798165 °   |          |
|   |                      |              | -121.633050 °          | -121.631939 ° |          |
| DWR ID  |                      |              |                        |               |          |
| Action/Comments   |                      |              |                        |               |          |
| Inspector Comments: 2000 - Site is relatively stable except for some toe erosion at the upstream end, recommend monitoring the upstream end. 2004 - Some new block failures (10ft deep) at the toe of the upstream end. 2007 - Some minor new slumping at the waterline. 2013: Minor new erosion along the toe of the bank. [2013 Site ID: FHR_1-0_L] |                      |              |                        |               |          |

Photo 1 of 1 : USACE2013A\_FHR\_1-0\_L\_2.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. 1001 Nicolaus**

| Waterway                  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Feather River | Left | 13.36      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>11.32</b>            | Rating **    | M                      | Issue No.     | <b>23</b> |
| LM End   | <b>11.32</b>            | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Vegetation              |              | 38.800112 °            | 38.800112 °   |           |
|  |                         |              | -121.632242 °          | -121.632242 ° |           |
| DWR ID   | DWR_RD1001_04_s_2012_23 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Elderberries are blocking visibility and flood fight capability. |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_685.jpg



RD 1001 Unit 4 - L/S slope - Elderberries

|   |                          |              |                        |               |            |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start  | <b>11.36</b>             | Rating **    | M                      | Issue No.     | <b>848</b> |
| LM End  | <b>11.36</b>             | Issue Type + | En                     | Location *    | LS         |
| Category  | Supplemental             |              | GPS Latitude/Longitude |               |            |
|   |                          |              | Start                  | End           |            |
| Item  | DWR UCIP Field Study     |              | 38.799561 °            | 38.799561 °   |            |
|   |                          |              | -121.631964 °          | -121.631964 ° |            |
| DWR ID  | DWR_RD1001_04_s_2014_848 |              |                        |               |            |
| Action/Comments   |                          |              |                        |               |            |
| Inspector Comments: FS_ID:14548<br>EP_NO: 3489<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: - siphon breaker on the landward shoulder not found. cracked road surface along the pipe alienment. Needs more investigations.<br>FIELD_STRUCT_DESC: 16-inch pipe through the levee, 3.0 feet below the crown, 40-horsepower slant pump mounted on a steel structure on the bank, pipe discharges into a 36-inch concrete standpipe on the landward toe (Permit No. 3489, 1960).<br>FS Date: 5/16/2013 |                          |              |                        |               |            |

Photo 1 of 1 : UCIP\_1037.jpg



WS- slant pump, pipe on steel piles.

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway                  |  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|--|------|------------|--------------------------|-----------------|
| Unit No. 04 Feather River |  | Left | 13.36      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|   |                      |              |                        |               |          |
|---|----------------------|--------------|------------------------|---------------|----------|
| LM Start  | <b>11.68</b>         | Rating **    | M                      | Issue No.     | <b>1</b> |
| LM End  | <b>11.85</b>         | Issue Type + | Ma                     | Location *    | WS       |
| Category  | Supplemental         |              | GPS Latitude/Longitude |               |          |
|   |                      |              | Start                  | End           |          |
| Item  | USACE Erosion Survey |              | 38.795455 °            | 38.793394 °   |          |
|   |                      |              | -121.629903 °          | -121.628156 ° |          |
| DWR ID  |                      |              |                        |               |          |
| Action/Comments   |                      |              |                        |               |          |
| Inspector Comments: 1997- Deposits over top of cobble on the upper slope. 2000 - Old cobble site in poor shape; some toe retreat, but little change; steep bank. 2010 - Site extended upstream due to new toe erosion. 2012 - Minor new erosion at toe, new slumping, animals holes and cracks observed. 2013: No observed changes. [2013 Site ID: FHR_0-6_L] |                      |              |                        |               |          |

Photo 1 of 1 : USACE2013A\_FHR\_0-6\_L\_1.jpg



USACE 2013 Photo #1

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>12.40</b>            | Rating **    | M                      | Issue No.     | <b>24</b> |
| LM End   | <b>12.49</b>            | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Vegetation              |              | 38.787355 °            | 38.786507 °   |           |
|  |                         |              | -121.621165 °          | -121.619837 ° |           |
| DWR ID   | DWR_RD1001_04_s_2012_24 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Elderberries are blocking visibility and flood fight capability. |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_686.jpg



RD 1001 Unit 4 - L/S slope - Elderberries

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway                  |  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|--|------|------------|--------------------------|-----------------|
| Unit No. 04 Feather River |  | Left | 13.36      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>12.57</b>            | Rating **    | U                      | Issue No.     | <b>25</b> |
| LM End          | <b>12.57</b>            | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.786073 °            | 38.786073 °   |           |
|                 |                         |              | -121.618522 °          | -121.618522 ° |           |
| DWR ID          | DWR_RD1001_04_s_2012_25 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Building        |                         |              |                        |               |           |

Photo 1 of 2 : mhoffman\_s\_20140401\_687.jpg



A building is at the toe of the levee. Spring 2013

|          |              |              |    |            |                  |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | <b>12.57</b> | Rating **    | U  | Issue No.  | <b>25 (cont)</b> |
| LM End   | <b>12.57</b> | Issue Type + | En | Location * | LS               |

Photo 2 of 2 : mhoffman\_s\_20140401\_688.jpg



A short section of the levee (12.47-12.70) has limited access. Spring 2013

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>12.74</b>            | Rating **    | M                      | Issue No.     | <b>26</b> |
| LM End   | <b>13.22</b>            | Issue Type + | Ma                     | Location *    | LS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Vegetation              |              | 38.784513 °            | 38.781862 °   |           |
|  |                         |              | -121.616045 °          | -121.607855 ° |           |
| DWR ID   | DWR_RD1001_04_s_2012_26 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Elderberries are blocking visibility and flood fight capability. |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_689.jpg



RD 1001 Unit 4 - W/S slope - Elderberries

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway                  |  | Bank | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------|--|------|------------|--------------------------|-----------------|
| Unit No. 04 Feather River |  | Left | 13.36      | 05/06/2014<br>05/06/2014 | Matthew Hoffman |

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start   | <b>12.76</b>            | Rating **    | M                      | Issue No.     | <b>11</b> |
| LM End   | <b>13.21</b>            | Issue Type + | Ma                     | Location *    | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Vegetation              |              | 38.784579 °            | 38.782150 °   |           |
|  |                         |              | -121.615689 °          | -121.607918 ° |           |
| DWR ID   | DWR_RD1001_04_f_2013_11 |              |                        |               |           |
| Action/Comments  |                         |              |                        |               |           |
| Elderberries are blocking visibility and flood fight capability. |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_676.jpg



RD 1001 Unit 4 - W/S slope - Elderberries

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>12.76</b>            | Rating **    | M                      | Issue No.     | <b>45</b> |
| LM End  | <b>13.27</b>            | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Vegetation              |              | 38.784563 °            | 38.781701 °   |           |
|   |                         |              | -121.615653 °          | -121.606979 ° |           |
| DWR ID  | DWR_RD1001_04_f_2013_45 |              |                        |               |           |
| Action/Comments   |                         |              |                        |               |           |
| Control annual grass and weeds on the levee slopes and easements. |                         |              |                        |               |           |

No Photos

|  |                          |              |                        |               |            |
|--|--------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>12.91</b>             | Rating **    | M                      | Issue No.     | <b>151</b> |
| LM End   | <b>12.91</b>             | Issue Type + | Ma                     | Location *    | WS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|  |                          |              | Start                  | End           |            |
| Item   | Trim / Thin Trees        |              | 38.783930 °            | 38.783930 °   |            |
|  |                          |              | -121.612952 °          | -121.612952 ° |            |
| DWR ID   | DWR_RD1001_04_s_2012_151 |              |                        |               |            |
| Action/Comments                                      |                          |              |                        |               |            |
| Trim trees to at least five feet above ground level. |                          |              |                        |               |            |

Photo 1 of 1 : mhoffman\_s\_20140401\_697.jpg



Trees need to be trimmed up at least 5 feet. Spring 2013

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway                        | Bank  | Unit Miles |
|---------------------------------|-------|------------|
| Unit No. 05 Natomas Cross Canal | Right | 5.44       |

|  | 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                     | 05/07/2014 - 05/07/2014 |                           |                                |                                 |
| DWR Inspector                          | Matthew Hoffman         |                           |                                |                                 |
| 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. 1001 Nicolaus**

| Waterway                        |  | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------------|--|-------|------------|--------------------------|-----------------|
| Unit No. 05 Natomas Cross Canal |  | Right | 5.44       | 05/07/2014<br>05/07/2014 | Matthew Hoffman |

|                 |                        |              |                        |               |          |
|-----------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start        | <b>0.00</b>            | Rating **    | M                      | Issue No.     | <b>2</b> |
| LM End          | <b>0.75</b>            | Issue Type + | En                     | Location *    | WS       |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                 |                        |              | Start                  | End           |          |
| Item            | Encroachments          |              | 38.781240 °            | 38.790073 °   |          |
|                 |                        |              | -121.605436 °          | -121.598159 ° |          |
| DWR ID          | DWR_RD1001_05_s_2012_2 |              |                        |               |          |
| Action/Comments |                        |              |                        |               |          |
| Pole            |                        |              |                        |               |          |

Photo 1 of 2 : mhoffman\_s\_20140401\_777.jpg



Poles on the water side shoulder levee mile 0.00 - 0.75

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>0.00</b> | Rating **    | M  | Issue No.  | <b>2 (cont)</b> |
| LM End   | <b>0.75</b> | Issue Type + | En | Location * | WS              |

Photo 2 of 2 : mhoffman\_s\_20140401\_778.jpg



RD 1001 Unit 5 - W/S Levee Shoulder - Poles

|   |                          |              |                        |               |            |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start  | <b>0.19</b>              | Rating **    | M                      | Issue No.     | <b>207</b> |
| LM End  | <b>0.72</b>              | Issue Type + | Ma                     | Location *    | LS         |
| Category  | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|   |                          |              | Start                  | End           |            |
| Item  | Vegetation               |              | 38.783644 °            | 38.789846 °   |            |
|   |                          |              | -121.604277 °          | -121.598535 ° |            |
| DWR ID  | DWR_RD1001_05_s_2014_207 |              |                        |               |            |
| Action/Comments   |                          |              |                        |               |            |
| Control annual grass and weeds on the levee slopes and easements. |                          |              |                        |               |            |

Photo 1 of 1 : mhoffman\_s\_20140512\_508.jpg



This photo was taken from the crown facing east looking down the landward levee slope at vegetation requiring maintenance. Spring 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. 1001 Nicolaus**

| Waterway                        |  | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------------|--|-------|------------|--------------------------|-----------------|
| Unit No. 05 Natomas Cross Canal |  | Right | 5.44       | 05/07/2014<br>05/07/2014 | Matthew Hoffman |

|                 |                        |              |                        |               |          |
|-----------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start        | <b>0.19</b>            | Rating **    | M                      | Issue No.     | <b>5</b> |
| LM End          | <b>0.86</b>            | Issue Type + | En                     | Location *    | LS       |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                 |                        |              | Start                  | End           |          |
| Item            | Encroachments          |              | 38.783758 °            | 38.791058 °   |          |
|                 |                        |              | -121.604189 °          | -121.596562 ° |          |
| DWR ID          | DWR_RD1001_05_s_2012_5 |              |                        |               |          |
| Action/Comments |                        |              |                        |               |          |
| Pole            |                        |              |                        |               |          |

Photo 1 of 2 : mhoffman\_s\_20140401\_781.jpg



Poles at the land side toe levee mile 0.19 - 0.86.

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>0.19</b> | Rating **    | M  | Issue No.  | <b>5 (cont)</b> |
| LM End   | <b>0.86</b> | Issue Type + | En | Location * | LS              |

Photo 2 of 2 : mhoffman\_s\_20140401\_782.jpg



RD 1001 Unit 5 - L/S Levee Toe - Poles

|                                 |                          |              |                        |               |            |
|---------------------------------|--------------------------|--------------|------------------------|---------------|------------|
| LM Start                        | <b>0.78</b>              | Rating **    | M                      | Issue No.     | <b>202</b> |
| LM End                          | <b>0.78</b>              | Issue Type + | En                     | Location *    | LS         |
| Category                        | Supplemental             |              | GPS Latitude/Longitude |               |            |
|                                 |                          |              | Start                  | End           |            |
| Item                            | DWR UCIP Field Study     |              | 38.790374 °            | 38.790374 °   |            |
|                                 |                          |              | -121.597688 °          | -121.597688 ° |            |
| DWR ID                          | DWR_RD1001_05_s_2014_202 |              |                        |               |            |
| Action/Comments                 |                          |              |                        |               |            |
| Inspector Comments: FS_ID:14432 |                          |              |                        |               |            |

Photo 1 of 1 : UCIP\_1013.jpg



LS- pumps, pipes, and walkway on steel structure

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway                        | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Natomas Cross Canal | Right | 5.44       | 05/07/2014<br>05/07/2014 | Matthew Hoffman |

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>0.80</b>              | Rating **    | M  | Issue No.              | <b>203</b>    |
| LM End   | <b>0.80</b>              | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental             |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study     |              |    | 38.790556 °            | 38.790556 °   |
|  |                          |              |    | -121.597477 °          | -121.597477 ° |
| DWR ID   | DWR_RD1001_05_s_2014_203 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| Inspector Comments: FS_ID:14393<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: - needs repair of concrete piers on waterside. Rebar exposed from the pier. Even though this pier is functionally not linked to the pipe, it needs repair.<br>FIELD_STRUCT_DESC: 5 of 8: A 24-inch pipe through levee, 25 ft. below the levee crown. Five 5-foot-by-7-foot concrete tunnels through the levee, 25.0 feet below the crown, one tunnel has a 60-inch pump installed inside and is gated on the waterward end, two 50-inch pipes through the levee, 25.0 feet below the crown, all tunnels and pipes are gated, concrete headwall and railing along the landward side (R.D. No. 1001)<br>FS Date: 5/15/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1007.jpg



LS- Drainage structure with tunnels, pipes and pump house. Tunnel 1 at far right and tunnel 5 at far left. The pipe is located inside tunnel 3.

|                 |                        |              |    |                        |               |
|-----------------|------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>0.83</b>            | Rating **    | M  | Issue No.              | <b>3</b>      |
| LM End          | <b>0.83</b>            | Issue Type + | En | Location *             | WS            |
| Category        | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|                 |                        |              |    | Start                  | End           |
| Item            | Encroachments          |              |    | 38.790830 °            | 38.790830 °   |
|                 |                        |              |    | -121.596973 °          | -121.596973 ° |
| DWR ID          | DWR_RD1001_05_s_2012_3 |              |    |                        |               |
| Action/Comments |                        |              |    |                        |               |
| Building        |                        |              |    |                        |               |

Photo 1 of 2 : mhoffman\_s\_20140401\_779.jpg



Pump house on the water side levee mile 0.83.

|  |  |   |
|--|--|---|
| <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. 1001 Nicolaus**

| Waterway                        |  | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------------|--|-------|------------|--------------------------|-----------------|
| Unit No. 05 Natomas Cross Canal |  | Right | 5.44       | 05/07/2014<br>05/07/2014 | Matthew Hoffman |

|                 |                        |              |                        |               |                 |
|-----------------|------------------------|--------------|------------------------|---------------|-----------------|
| LM Start        | <b>0.83</b>            | Rating **    | M                      | Issue No.     | <b>3 (cont)</b> |
| LM End          | <b>0.83</b>            | Issue Type + | En                     | Location *    | WS              |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |                 |
|                 |                        |              | Start                  | End           |                 |
| Item            | Encroachments          |              | 38.790830 °            | 38.790830 °   |                 |
|                 |                        |              | -121.596973 °          | -121.596973 ° |                 |
| DWR ID          | DWR_RD1001_05_s_2012_3 |              |                        |               |                 |
| Action/Comments |                        |              |                        |               |                 |
| Building        |                        |              |                        |               |                 |

Photo 2 of 2 : mhoffman\_s\_20140401\_780.jpg



Pump house and caretakers home levee mile 0.83

|                 |                        |              |                        |               |          |
|-----------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start        | <b>1.15</b>            | Rating **    | M                      | Issue No.     | <b>6</b> |
| LM End          | <b>1.15</b>            | Issue Type + | En                     | Location *    | LS       |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                 |                        |              | Start                  | End           |          |
| Item            | Encroachments          |              | 38.793613 °            | 38.793613 °   |          |
|                 |                        |              | -121.592230 °          | -121.592230 ° |          |
| DWR ID          | DWR_RD1001_05_s_2012_6 |              |                        |               |          |
| Action/Comments |                        |              |                        |               |          |
| Pole            |                        |              |                        |               |          |

Photo 1 of 2 : mhoffman\_s\_20140401\_783.jpg



Pole on land side shoulder levee mile 1.15.

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>1.15</b> | Rating **    | M  | Issue No.  | <b>6 (cont)</b> |
| LM End   | <b>1.15</b> | Issue Type + | En | Location * | LS              |

Photo 2 of 2 : mhoffman\_s\_20140401\_784.jpg



Pole on land side 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. 1001 Nicolaus**

| Waterway                        |  |  | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------------|--|--|-------|------------|--------------------------|-----------------|
| Unit No. 05 Natomas Cross Canal |  |  | Right | 5.44       | 05/07/2014<br>05/07/2014 | Matthew Hoffman |

|   |                         |              |     |                        |               |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start  | <b>1.64</b>             | Rating **    | A/W | Issue No.              | <b>23</b>     |
| LM End  | <b>1.64</b>             | Issue Type + | Ma  | Location *             | LS            |
| Category  | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|   |                         |              |     | Start                  | End           |
| Item  | Vegetation              |              |     | 38.797858 °            | 38.797858 °   |
|   |                         |              |     | -121.585157 °          | -121.585157 ° |
| DWR ID  | DWR_RD1001_05_f_2013_23 |              |     |                        |               |
| Action/Comments   |                         |              |     |                        |               |
| Control annual grass and weeds on the levee slopes and easements. |                         |              |     |                        |               |

Photo 1 of 1 : mhoffman\_s\_20140401\_791.jpg



This photo was taken from the levee crown facing east looking at the vegetation on the landward slope.

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>2.33</b>          | Rating **    | M  | Issue No.              | <b>1</b>      |
| LM End   | <b>2.33</b>          | Issue Type + | Ma | Location *             | WS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | USACE Erosion Survey |              |    | 38.803877 °            | 38.804206 °   |
|  |                      |              |    | -121.575053 °          | -121.574529 ° |
| DWR ID   |                      |              |    |                        |               |
| Action/Comments  |                      |              |    |                        |               |
| Inspector Comments: 2006 - Noted old saturation slumping of upper levee slope that is into the levee core (near high water line). 2011 - Erosion is into the top of the levee. This site is actually located at LM 2.5. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: NCC_3-0_R] |                      |              |    |                        |               |

No Photos

|                 |                        |              |    |                        |               |
|-----------------|------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>3.59</b>            | Rating **    | M  | Issue No.              | <b>7</b>      |
| LM End          | <b>3.85</b>            | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|                 |                        |              |    | Start                  | End           |
| Item            | Encroachments          |              |    | 38.814919 °            | 38.817178 °   |
|                 |                        |              |    | -121.556712 °          | -121.552965 ° |
| DWR ID          | DWR_RD1001_05_s_2012_7 |              |    |                        |               |
| Action/Comments |                        |              |    |                        |               |
| Pole            |                        |              |    |                        |               |

Photo 1 of 1 : mhoffman\_s\_20140401\_785.jpg



Poles on the land side shoulder levee mile 3.59 - 3.85.

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway                        |  | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------------|--|-------|------------|--------------------------|-----------------|
| Unit No. 05 Natomas Cross Canal |  | Right | 5.44       | 05/07/2014<br>05/07/2014 | Matthew Hoffman |

|                 |                        |              |                        |               |          |
|-----------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start        | <b>3.69</b>            | Rating **    | A/W                    | Issue No.     | <b>8</b> |
| LM End          | <b>3.69</b>            | Issue Type + | En                     | Location *    | WS       |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                 |                        |              | Start                  | End           |          |
| Item            | Encroachments          |              | 38.815737 °            | 38.815737 °   |          |
|                 |                        |              | -121.555338 °          | -121.555338 ° |          |
| DWR ID          | DWR_RD1001_05_s_2012_8 |              |                        |               |          |
| Action/Comments |                        |              |                        |               |          |
| Pipe            |                        |              |                        |               |          |

Photo 1 of 1 : mhoffman\_s\_20140401\_786.jpg



Pump water side levee mile 3.69.

|                 |                        |              |                        |               |          |
|-----------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start        | <b>3.73</b>            | Rating **    | A/W                    | Issue No.     | <b>9</b> |
| LM End          | <b>3.73</b>            | Issue Type + | En                     | Location *    | WS       |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                 |                        |              | Start                  | End           |          |
| Item            | Encroachments          |              | 38.816155 °            | 38.816155 °   |          |
|                 |                        |              | -121.554650 °          | -121.554650 ° |          |
| DWR ID          | DWR_RD1001_05_s_2012_9 |              |                        |               |          |
| Action/Comments |                        |              |                        |               |          |
| Pipe            |                        |              |                        |               |          |

Photo 1 of 2 : mhoffman\_s\_20140401\_787.jpg



RD 1001 Unit 5 - W/S slope -Equipment & Portable Tank

|          |             |              |     |            |                 |
|----------|-------------|--------------|-----|------------|-----------------|
| LM Start | <b>3.73</b> | Rating **    | A/W | Issue No.  | <b>9 (cont)</b> |
| LM End   | <b>3.73</b> | Issue Type + | En  | Location * | WS              |

Photo 2 of 2 : mhoffman\_s\_20140401\_788.jpg



Concrete distribution box on the landside levee slope. Spring 2013

|   |  |  |
|---|--|--|
| <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. 1001 Nicolaus**

| Waterway                        |  | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------------|--|-------|------------|--------------------------|-----------------|
| Unit No. 05 Natomas Cross Canal |  | Right | 5.44       | 05/07/2014<br>05/07/2014 | Matthew Hoffman |

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>3.85</b>             | Rating **    | A/W                    | Issue No.     | <b>11</b> |
| LM End          | <b>3.85</b>             | Issue Type + | En                     | Location *    | WS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.817177 °            | 38.817177 °   |           |
|                 |                         |              | -121.552967 °          | -121.552967 ° |           |
| DWR ID          | DWR_RD1001_05_s_2012_11 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Pipe            |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_790.jpg



Pump and pipe through the levee with positive closure on the waterside. Spring 2013

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>3.85</b>             | Rating **    | M                      | Issue No.     | <b>10</b> |
| LM End          | <b>3.85</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.817178 °            | 38.817178 °   |           |
|                 |                         |              | -121.552965 °          | -121.552965 ° |           |
| DWR ID          | DWR_RD1001_05_s_2012_10 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Tank            |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_789.jpg



Storage tank on land side slope levee mile 3.85.

|  |  |   |
|--|--|---|
| <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. 1001 Nicolaus**

| Waterway                        | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Natomas Cross Canal | Right | 5.44       | 05/07/2014<br>05/07/2014 | Matthew Hoffman |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>3.85</b>              | Rating **    | M  | Issue No.              | <b>204</b>    |
| LM End  | <b>3.85</b>              | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental             |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study     |              |    | 38.817175 °            | 38.817175 °   |
|   |                          |              |    | -121.552946 °          | -121.552946 ° |
| DWR ID  | DWR_RD1001_05_s_2014_204 |              |    |                        |               |
| Action/Comments   |                          |              |    |                        |               |
| Inspector Comments: FS_ID:14484<br>EP_NO: 1896<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: - slide gate in concrete box on waterside levee toe. cracked headwall on landsideworking during field survey<br>FIELD_STRUCT_DESC: 1 of 3: A 20-inch steel pipe of three pipes (a 30-inch and two 20-inch corrugated-metal asbestos-bonded pipe) through the levee, 2.13 feet below the crown, three vertical pumps on a wooden piling structure in the stream, walkway to the pumps, slide gate in a concrete box on the waterward side (Permit No. 1896)<br>FS Date: 5/15/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_1022.jpg



WS- overview of pump station, walkway, and slide gate in concrete box.

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>3.85</b>              | Rating **    | M  | Issue No.              | <b>205</b>    |
| LM End  | <b>3.85</b>              | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental             |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study     |              |    | 38.817175 °            | 38.817175 °   |
|   |                          |              |    | -121.552946 °          | -121.552946 ° |
| DWR ID  | DWR_RD1001_05_s_2014_205 |              |    |                        |               |
| Action/Comments   |                          |              |    |                        |               |
| Inspector Comments: FS_ID:14472<br>EP_NO: 1896<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: - slide gate in concrete box on waterside levee toe. cracked headwall on landsideworking during field survey<br>FIELD_STRUCT_DESC: 2 of 3: Three pipes, a 32-inch and two 20-inch steel pipe through the levee, 2.13 feet below the crown, two vertical pumps on a wooden piling structure in the stream, walkway to the pumps, slide gate in a concrete box on the waterward side (Permit No. 1896)<br>FS Date: 5/15/2013 |                          |              |    |                        |               |

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. 1001 Nicolaus**

| Waterway                        | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|---------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Natomas Cross Canal | Right | 5.44       | 05/07/2014<br>05/07/2014 | Matthew Hoffman |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>3.85</b>              | Rating **    | M  | Issue No.              | <b>206</b>    |
| LM End  | <b>3.85</b>              | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental             |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study     |              |    | 38.817175 °            | 38.817175 °   |
|   |                          |              |    | -121.552946 °          | -121.552946 ° |
| DWR ID  | DWR_RD1001_05_s_2014_206 |              |    |                        |               |
| <b>Action/Comments</b>  |                          |              |    |                        |               |
| Inspector Comments: FS_ID:14486<br>EP_NO: 1896<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: - slide gate in concrete box on waterside levee toe. cracked headwall on landsideworking during field survey abandoned steel pipe, may need to remove it or properly adandoned.<br>FIELD_STRUCT_DESC: 3 of 3: Abandoned 20-inch pipe of three pipes, a 30-inch and two 20-inch corrugated-metal asbestos-bonded pipe through the levee, 2.13 feet below the crown, three vertical pumps on a wooden piling structure in the stream, walkway to the pumps, slide gate in a concrete box on the waterward side (Permit No. 1896)<br>FS Date: 5/15/2013 |                          |              |    |                        |               |

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**

**Unit Cover Sheet**

**Spring 2014 Levee Inspection Results**

**Reclamation District No. 1001 Nicolaus**

|                             |  |       |            |
|-----------------------------|--|-------|------------|
| Waterway                    |  | Bank  | Unit Miles |
| Unit No. 06 East Side Canal |  | Right | 4.80       |

|  | 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                     | 05/07/2014 - 05/07/2014 |                           |                                |                                 |
| DWR Inspector                          | Matthew Hoffman         |                           |                                |                                 |
| 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. 1001 Nicolaus**

| Waterway                    | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|-----------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 06 East Side Canal | Right | 4.80       | 05/07/2014<br>05/07/2014 | Matthew Hoffman |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>0.08</b>              | Rating **    | A  | Issue No.              | <b>189</b>    |
| LM End  | <b>0.08</b>              | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | Vegetation               |              |    | 38.832006 °            | 38.832006 °   |
|   |                          |              |    | -121.528869 °          | -121.528869 ° |
| DWR ID  | DWR_RD1001_06_s_2014_189 |              |    |                        |               |
| Action/Comments   |                          |              |    |                        |               |
| Control annual grass and weeds on the levee slopes and easements. |                          |              |    |                        |               |

Photo 1 of 1 : mhoffman\_s\_20140512\_509.jpg



This photo was taken from the crown facing north looking down the landward levee slope at acceptable vegetation control. Spring 2014.

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>0.95</b>             | Rating **    | M  | Issue No.              | <b>46</b>     |
| LM End          | <b>0.95</b>             | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Encroachments           |              |    | 38.844013 °            | 38.844013 °   |
|                 |                         |              |    | -121.524320 °          | -121.524320 ° |
| DWR ID          | DWR_RD1001_06_s_2012_46 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Tank            |                         |              |    |                        |               |

Photo 1 of 1 : mhoffman\_s\_20140401\_050.jpg



A propane tank is within the easement of the levee. Spring 2013

|                 |                        |              |    |                        |               |
|-----------------|------------------------|--------------|----|------------------------|---------------|
| LM Start        | <b>1.06</b>            | Rating **    | M  | Issue No.              | <b>5</b>      |
| LM End          | <b>1.06</b>            | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|                 |                        |              |    | Start                  | End           |
| Item            | Vegetation             |              |    | 38.845643 °            | 38.845643 °   |
|                 |                        |              |    | -121.524363 °          | -121.524363 ° |
| DWR ID          | DWR_RD1001_06_s_2012_5 |              |    |                        |               |
| Action/Comments |                        |              |    |                        |               |
| Landscaping     |                        |              |    |                        |               |

Photo 1 of 1 : mhoffman\_s\_20140401\_045.jpg



Landscaping on the landside slope LM 1.06.

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway                    |  | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|-----------------------------|--|-------|------------|--------------------------|-----------------|
| Unit No. 06 East Side Canal |  | Right | 4.80       | 05/07/2014<br>05/07/2014 | Matthew Hoffman |

|                 |                        |              |                        |               |          |
|-----------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start        | <b>1.37</b>            | Rating **    | M                      | Issue No.     | <b>6</b> |
| LM End          | <b>1.37</b>            | Issue Type + | En                     | Location *    | LS       |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                 |                        |              | Start                  | End           |          |
| Item            | Encroachments          |              | 38.850042 °            | 38.850042 °   |          |
|                 |                        |              | -121.524359 °          | -121.524359 ° |          |
| DWR ID          | DWR_RD1001_06_s_2012_6 |              |                        |               |          |
| Action/Comments |                        |              |                        |               |          |
| Equipment       |                        |              |                        |               |          |

Photo 1 of 1 : mhoffman\_s\_20140401\_046.jpg



Equipment at the landside toe LM 1.37.

|   |                        |              |                        |               |          |
|---|------------------------|--------------|------------------------|---------------|----------|
| LM Start  | <b>1.39</b>            | Rating **    | M                      | Issue No.     | <b>9</b> |
| LM End  | <b>1.39</b>            | Issue Type + | Ma                     | Location *    | CR       |
| Category  | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|   |                        |              | Start                  | End           |          |
| Item  | Trim / Thin Trees      |              | 38.850300 °            | 38.850300 °   |          |
|   |                        |              | -121.524388 °          | -121.524388 ° |          |
| DWR ID  | DWR_RD1001_06_s_2013_9 |              |                        |               |          |
| Action/Comments   |                        |              |                        |               |          |
| Trim trees over roadway to at least 12 feet above ground level. |                        |              |                        |               |          |

No Photos

|                 |                        |              |                        |               |          |
|-----------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start        | <b>1.45</b>            | Rating **    | M                      | Issue No.     | <b>3</b> |
| LM End          | <b>1.45</b>            | Issue Type + | En                     | Location *    | LS       |
| Category        | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                 |                        |              | Start                  | End           |          |
| Item            | Encroachments          |              | 38.851272 °            | 38.851272 °   |          |
|                 |                        |              | -121.524357 °          | -121.524357 ° |          |
| DWR ID          | DWR_RD1001_06_s_2012_3 |              |                        |               |          |
| Action/Comments |                        |              |                        |               |          |
| Equipment       |                        |              |                        |               |          |

Photo 1 of 1 : mhoffman\_s\_20140401\_044.jpg



Equipment at the landside toe LM 1.45.

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway                    | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|-----------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 06 East Side Canal | Right | 4.80       | 05/07/2014<br>05/07/2014 | Matthew Hoffman |

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>1.73</b>              | Rating **    | M  | Issue No.              | <b>182</b>    |
| LM End   | <b>1.73</b>              | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental             |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study     |              |    | 38.855186 °            | 38.855186 °   |
|  |                          |              |    | -121.524895 °          | -121.524895 ° |
| DWR ID   | DWR_RD1001_06_s_2014_182 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| Inspector Comments: FS_ID:14244<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: - visible damage to pipe on opening at inlet due to high corrosion.video inspection recommended.<br>FIELD_STRUCT_DESC: 36-inch corrugated-metal drainage pipe through the levee, 12.5 feet below the crown, slide gate in a 48-inch corrugated-metal pipe riser on the waterward slope, concrete headwall at the landward toe, the pipe crosses under the channel.<br>FS Date: 5/15/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_971.jpg



WS- slide gate in CMP riser on levee slope.

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>2.03</b>              | Rating **    | M  | Issue No.              | <b>183</b>    |
| LM End   | <b>2.03</b>              | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental             |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study     |              |    | 38.859601 °            | 38.859601 °   |
|  |                          |              |    | -121.524885 °          | -121.524885 ° |
| DWR ID   | DWR_RD1001_06_s_2014_183 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| Inspector Comments: FS_ID:14223<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: - pipe buried/submerged on LSneeds cleaning of LS pipe end opening.<br>FIELD_STRUCT_DESC: 24-inch corrugated-metal drainage pipe through the levee, 15.5 feet below the crown, slide gate in a 36-inch corrugated-metal pipe riser on the waterward slope, concrete headwall at the landward toe, the pipe crosses under the channel<br>FS Date: 5/15/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_968.jpg



WS- slide gate in CMP riser on 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**

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

**Reclamation District No. 1001 Nicolaus**

| Waterway                    | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|-----------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 06 East Side Canal | Right | 4.80       | 05/07/2014<br>05/07/2014 | Matthew Hoffman |

|   |                        |              |    |                        |               |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>2.06</b>            | Rating **    | M  | Issue No.              | <b>8</b>      |
| LM End  | <b>2.06</b>            | Issue Type + | Ma | Location *             | CR            |
| Category  | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|   |                        |              |    | Start                  | End           |
| Item  | Slope Stability        |              |    | 38.860002 °            | 38.860002 °   |
|   |                        |              |    | -121.524873 °          | -121.524873 ° |
| DWR ID  | DWR_RD1001_06_s_2012_8 |              |    |                        |               |
| Action/Comments   |                        |              |    |                        |               |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible.<br>Inspector Comments: Subsidence due to traffic across levee crown. |                        |              |    |                        |               |

Photo 1 of 1 : mhoffman\_s\_20140401\_048.jpg



RD 1001 Unit 6 - Levee Crown - Subsidence due to vehicle traffic.

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>2.29</b>              | Rating **    | M  | Issue No.              | <b>184</b>    |
| LM End  | <b>2.29</b>              | Issue Type + | En | Location *             | CR            |
| Category  | Supplemental             |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study     |              |    | 38.863385 °            | 38.863385 °   |
|   |                          |              |    | -121.524866 °          | -121.524866 ° |
| DWR ID  | DWR_RD1001_06_s_2014_184 |              |    |                        |               |
| Action/Comments   |                          |              |    |                        |               |
| Inspector Comments: FS_ID:14204<br>EP_NO: 12208<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: - large pit at pipe daylight on WS berm, may be due to pipe leakage.siphon breaker on LS shoulder not found.<br>FIELD_STRUCT_DESC: 16-inch irrigation pipe through the levee, 3.0 feet below the crown, 16-inch low-lift pump in the channel, 36-inch corrugated-metal pipe riser on the bank, siphon breaker on the landward shoulder (Permit No. 12208, 1977)<br>FS Date: 5/15/2013 |                          |              |    |                        |               |

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. 1001 Nicolaus**

| Waterway                    |  | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|-----------------------------|--|-------|------------|--------------------------|-----------------|
| Unit No. 06 East Side Canal |  | Right | 4.80       | 05/07/2014<br>05/07/2014 | Matthew Hoffman |

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>3.29</b>              | Rating **    | M  | Issue No.              | <b>185</b>    |
| LM End   | <b>3.29</b>              | Issue Type + | En | Location *             | CR            |
| Category   | Supplemental             |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study     |              |    | 38.877706 °            | 38.877706 °   |
|  |                          |              |    | -121.524787 °          | -121.524787 ° |
| DWR ID   | DWR_RD1001_06_s_2014_185 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| Inspector Comments: FS_ID:14167<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: - pipe opens in irrigation ditch on landside. vegetation cleaning on LS pipe opening.<br>FIELD_STRUCT_DESC: 24-inch corrugated-metal drainage pipe through the levee, 12.0 feet below the crown, slide gate in a 36-inch corrugated-metal pipe riser on the waterward slope, concrete headwall at the landward toe, the pipe crosses under the channel<br>FS Date: 5/15/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_960.jpg



WS- slide gate in CMP riser on levee slope

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>3.44</b>              | Rating **    | M  | Issue No.              | <b>186</b>    |
| LM End   | <b>3.44</b>              | Issue Type + | En | Location *             | CR            |
| Category   | Supplemental             |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study     |              |    | 38.879959 °            | 38.879959 °   |
|  |                          |              |    | -121.524779 °          | -121.524779 ° |
| DWR ID   | DWR_RD1001_06_s_2014_186 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| Inspector Comments: FS_ID:13523<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: - needs filling/plugging gap between 4-inch and 10-inch pipes.<br>FIELD_STRUCT_DESC: 1 of 2: A capped 4-inch steel pipe sleeved through a 10-inch steel pipe, located just off the top of the slope on waterside of the levee.<br>FS Date: 5/15/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_868.jpg



WS- a 4-inch steel pipe sleeved through 10-inch steel pipe.

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway                    |  | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|-----------------------------|--|-------|------------|--------------------------|-----------------|
| Unit No. 06 East Side Canal |  | Right | 4.80       | 05/07/2014<br>05/07/2014 | Matthew Hoffman |

|  |                          |              |                        |               |            |
|--|--------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>3.60</b>              | Rating **    | M                      | Issue No.     | <b>187</b> |
| LM End   | <b>3.60</b>              | Issue Type + | En                     | Location *    | CR         |
| Category   | Supplemental             |              | GPS Latitude/Longitude |               |            |
|  |                          |              | Start                  | End           |            |
| Item   | DWR UCIP Field Study     |              | 38.882246 °            | 38.882246 °   |            |
|  |                          |              | -121.524761 °          | -121.524761 ° |            |
| DWR ID   | DWR_RD1001_06_s_2014_187 |              |                        |               |            |
| Action/Comments  |                          |              |                        |               |            |
| Inspector Comments: FS_ID:13509<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: Only a small section of head wall visible, almost buried.<br>FIELD_STRUCT_DESC: 24-inch corrugated-metal drainage pipe through the levee, 12.0 feet below the crown, slide gate in a 36-inch corrugated-metal pipe riser on the waterward slope, concrete headwall at the landward toe, the pipe crosses under the channel<br>FS Date: 5/15/2013 |                          |              |                        |               |            |

Photo 1 of 1 : UCIP\_866.jpg



WS- fixed slide gate in CMP riser on levee slope.

|                 |                         |              |                        |               |           |
|-----------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start        | <b>3.70</b>             | Rating **    | M                      | Issue No.     | <b>48</b> |
| LM End          | <b>3.70</b>             | Issue Type + | En                     | Location *    | LS        |
| Category        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                 |                         |              | Start                  | End           |           |
| Item            | Encroachments           |              | 38.883804 °            | 38.883804 °   |           |
|                 |                         |              | -121.524766 °          | -121.524766 ° |           |
| DWR ID          | DWR_RD1001_06_s_2012_48 |              |                        |               |           |
| Action/Comments |                         |              |                        |               |           |
| Wall            |                         |              |                        |               |           |

Photo 1 of 1 : mhoffman\_s\_20140401\_051.jpg



RD 1001 Unit 6 - L/S Slope - Pole

|  |   |   |
|--|---|---|
| <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. 1001 Nicolaus**

| Waterway                    | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|-----------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 06 East Side Canal | Right | 4.80       | 05/07/2014<br>05/07/2014 | Matthew Hoffman |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>3.93</b>              | Rating **    | M  | Issue No.              | <b>188</b>    |
| LM End  | <b>3.93</b>              | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental             |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study     |              |    | 38.887003 °            | 38.887003 °   |
|   |                          |              |    | -121.524745 °          | -121.524745 ° |
| DWR ID  | DWR_RD1001_06_s_2014_188 |              |    |                        |               |
| Action/Comments   |                          |              |    |                        |               |
| Inspector Comments: FS_ID:13485<br>EP_NO: N/A<br>Repair Type:<br>Crossing Status:<br>UCIP Comments: - mud/soil debris on LS pipe end highly corroded pipe in outlet may require video inspection or pressure test.<br>FIELD_STRUCT_DESC: 24-inch corrugated-metal drainage pipe through the levee, 12.2 feet below the crown, slide gate in a 36-inch corrugated-metal pipe riser on the waterward slope, concrete headwall at the landward toe, the pipe crosses under the channel<br>FS Date: 5/15/2013 |                          |              |    |                        |               |

Photo 1 of 1 : UCIP\_856.jpg



WS- slide gate, air vent in CMP riser on levee slope

|   |                        |              |    |                        |               |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>4.05</b>            | Rating **    | M  | Issue No.              | <b>7</b>      |
| LM End  | <b>4.05</b>            | Issue Type + | Ma | Location *             | CR            |
| Category  | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|   |                        |              |    | Start                  | End           |
| Item  | Slope Stability        |              |    | 38.888821 °            | 38.888821 °   |
|   |                        |              |    | -121.524733 °          | -121.524733 ° |
| DWR ID  | DWR_RD1001_06_s_2012_7 |              |    |                        |               |
| Action/Comments   |                        |              |    |                        |               |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible.<br>Inspector Comments: Levee crown subsided due to vehicle traffic across crown. |                        |              |    |                        |               |

Photo 1 of 1 : mhoffman\_s\_20140401\_047.jpg



RD 1001 Unit 6 - Levee Crown - Subsidence due to 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. 1001 Nicolaus**

| Waterway                    | Bank  | Unit Miles | Inspection Start/End     | Inspector       |
|-----------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 06 East Side Canal | Right | 4.80       | 05/07/2014<br>05/07/2014 | Matthew Hoffman |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>4.35</b>             | Rating **    | M  | Issue No.              | <b>19</b>     |
| LM End  | <b>4.35</b>             | Issue Type + | Ma | Location *             | CR            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Slope Stability         |              |    | 38.893114 °            | 38.893114 °   |
|   |                         |              |    | -121.524715 °          | -121.524715 ° |
| DWR ID  | DWR_RD1001_06_f_2013_19 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible.<br>Inspector Comments: Levee crown subsided due to vehicle traffic across crown. |                         |              |    |                        |               |

Photo 1 of 1 : mhoffman\_s\_20140401\_049.jpg



This photo was taken from the levee crown facing north looking at subsidence due to vehicle traffic across crown. Fall 2013.

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