

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2016 Levee Inspection Results**

**Sutter Maintenance Yard East-West Interceptor**

|                                  | 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 2016 Levee Inspection Results**

**Sutter Maintenance Yard East-West Interceptor**

|                        |  |       |            |
|------------------------|--|-------|------------|
| Waterway               |  | Bank  | Unit Miles |
| Unit No. 01 West Levee |  | Right | 1.75       |

|  | 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                     | 3/17/2016 - 3/17/2016                    |                           |                                |                                 |
| DWR Inspector                          | Keith Millard                            |                           |                                |                                 |
| Accompanied By                         | Steve Beckley<br>Sutter Maintenance Yard |                           |                                |                                 |

**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 2016**

**Sutter Maintenance Yard East-West Interceptor**

|                        |       |            |                          |               |
|------------------------|-------|------------|--------------------------|---------------|
| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
| Unit No. 01 West Levee | Right | 1.75       | 03/17/2016<br>03/17/2016 | Keith Millard |

|                              |                                  |              |                        |            |          |
|------------------------------|----------------------------------|--------------|------------------------|------------|----------|
| LM Start                     |                                  | Rating **    | A                      | Issue No.  | <b>9</b> |
| LM End                       |                                  | Issue Type + | Ma                     | Location * | WS       |
| Category                     | Earthen Levee                    |              | GPS Latitude/Longitude |            |          |
|                              |                                  |              | Start                  |            | End      |
| Item                         | Operations & Maintenance Manuals |              |                        | o          | o        |
| DWR ID                       | DWR_NA0020_01_s_2013_9           |              |                        |            |          |
| Comment Code                 |                                  |              |                        |            |          |
| Inspector Comment            |                                  |              |                        |            |          |
| The LMA has the O&M manuals. |                                  |              |                        |            |          |

No Photos

|  |                                |              |                        |            |           |
|--|--------------------------------|--------------|------------------------|------------|-----------|
| LM Start   |                                | Rating **    | A                      | Issue No.  | <b>10</b> |
| LM End   |                                | Issue Type + | Ma                     | Location * | WS        |
| Category   | Earthen Levee                  |              | GPS Latitude/Longitude |            |           |
|  |                                |              | Start                  |            | End       |
| Item   | Emergency Supplies & Equipment |              |                        | o          | o         |
| DWR ID   | DWR_NA0020_01_s_2013_10        |              |                        |            |           |
| Comment Code   |                                |              |                        |            |           |
| Inspector Comment  |                                |              |                        |            |           |
| The LMA has adequate flood fight supplies and equipment. |                                |              |                        |            |           |

No Photos

|   |                               |              |                        |            |           |
|---|-------------------------------|--------------|------------------------|------------|-----------|
| LM Start  |                               | Rating **    | A                      | Issue No.  | <b>11</b> |
| LM End  |                               | Issue Type + | Ma                     | Location * | WS        |
| Category  | Earthen Levee                 |              | GPS Latitude/Longitude |            |           |
|   |                               |              | Start                  |            | End       |
| Item  | Flood Preparedness & Training |              |                        | o          | o         |
| DWR ID  | DWR_NA0020_01_s_2013_11       |              |                        |            |           |
| Comment Code                                    |                               |              |                        |            |           |
| Inspector Comment                               |                               |              |                        |            |           |
| The LMA completed flood fight training in 2014. |                               |              |                        |            |           |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

|                        |       |            |                          |               |
|------------------------|-------|------------|--------------------------|---------------|
| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
| Unit No. 01 West Levee | Right | 1.75       | 03/17/2016<br>03/17/2016 | Keith Millard |

|  |                        |              |                        |               |          |
|--|------------------------|--------------|------------------------|---------------|----------|
| LM Start   | <b>0.00</b>            | Rating **    | M                      | Issue No.     | <b>5</b> |
| LM End   | <b>0.13</b>            | Issue Type + | Ma                     | Location *    | LS       |
| Category   | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|  |                        |              | Start                  | End           |          |
| Item   | Vegetation             |              | 39.171577 °            | 39.171543 °   |          |
|  |                        |              | -121.760019 °          | -121.758291 ° |          |
| DWR ID   | DWR_NA0020_01_s_2012_5 |              |                        |               |          |
| Comment Code   |                        |              |                        |               |          |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                        |              |                        |               |          |
| Inspector Comment  |                        |              |                        |               |          |
| Remove the vegetation from the landside toe.                                 |                        |              |                        |               |          |

Photo 1 of 1 : SP\_2016\_ST0020\_213\_5\_20160316\_00006.jpg



View of the vegetation along the landside toe.

|  |                        |              |                        |               |          |
|--|------------------------|--------------|------------------------|---------------|----------|
| LM Start   | <b>0.00</b>            | Rating **    | M                      | Issue No.     | <b>7</b> |
| LM End   | <b>0.32</b>            | Issue Type + | Ma                     | Location *    | WS       |
| Category   | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|  |                        |              | Start                  | End           |          |
| Item   | Vegetation             |              | 39.171577 °            | 39.171481 °   |          |
|  |                        |              | -121.760019 °          | -121.754826 ° |          |
| DWR ID   | DWR_NA0020_01_s_2012_7 |              |                        |               |          |
| Comment Code   |                        |              |                        |               |          |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                        |              |                        |               |          |
| Inspector Comment  |                        |              |                        |               |          |

Photo 1 of 1 : SP\_2016\_ST0020\_213\_7\_20160316\_00009.jpg



View of the vegetation along the w/s toe.

|   |                        |              |                        |               |          |
|---|------------------------|--------------|------------------------|---------------|----------|
| LM Start  | <b>0.23</b>            | Rating **    | M                      | Issue No.     | <b>2</b> |
| LM End  | <b>0.25</b>            | Issue Type + | En                     | Location *    | CR       |
| Category  | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|   |                        |              | Start                  | End           |          |
| Item  | Vegetation             |              | 39.171418 °            | 39.171408 °   |          |
|   |                        |              | -121.755963 °          | -121.755578 ° |          |
| DWR ID  | DWR_NA0020_01_s_2012_2 |              |                        |               |          |
| Comment Code  |                        |              |                        |               |          |
| V6 : Landscaping  |                        |              |                        |               |          |
| Inspector Comment   |                        |              |                        |               |          |
| Remove the cactus and pine trees from the waterside berm. |                        |              |                        |               |          |

Photo 1 of 2 : SP\_2016\_ST0020\_213\_2\_20160316\_00002.jpg



View of the cactus and pine trees along the waterside berm.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 West Levee | Right | 1.75       | 03/17/2016<br>03/17/2016 | Keith Millard |

|   |                        |              |                        |               |                 |
|---|------------------------|--------------|------------------------|---------------|-----------------|
| LM Start  | <b>0.23</b>            | Rating **    | M                      | Issue No.     | <b>2 (cont)</b> |
| LM End  | <b>0.25</b>            | Issue Type + | En                     | Location *    | CR              |
| Category  | Earthen Levee          |              | GPS Latitude/Longitude |               |                 |
|   |                        |              | Start                  | End           |                 |
| Item  | Vegetation             |              | 39.171418 °            | 39.171408 °   |                 |
|   |                        |              | -121.755963 °          | -121.755578 ° |                 |
| DWR ID  | DWR_NA0020_01_s_2012_2 |              |                        |               |                 |
| Comment Code  |                        |              |                        |               |                 |
| V6 : Landscaping  |                        |              |                        |               |                 |
| Inspector Comment   |                        |              |                        |               |                 |
| Remove the cactus and pine trees from the waterside berm. |                        |              |                        |               |                 |

Photo 2 of 2 : SP\_2016\_ST0020\_213\_2\_20160316\_00003.jpg



View of the cactus and pine trees along the waterside berm.

|  |                         |              |                        |               |           |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start                                     | <b>0.36</b>             | Rating **    | M                      | Issue No.     | <b>23</b> |
| LM End                                       | <b>0.36</b>             | Issue Type + | En                     | Location *    | CR        |
| Category                                     | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|  |                         |              | Start                  | End           |           |
| Item   | Encroachments           |              | 39.171450 °            | 39.171450 °   |           |
|  |                         |              | -121.754058 °          | -121.754058 ° |           |
| DWR ID                                       | DWR_NA0020_01_f_2013_23 |              |                        |               |           |
| Comment Code                                 |                         |              |                        |               |           |
| PR : Prunings                                |                         |              |                        |               |           |
| Inspector Comment                            |                         |              |                        |               |           |
| Remove the prunings from the waterside berm. |                         |              |                        |               |           |

Photo 1 of 1 : SP\_2016\_ST0020\_213\_23\_20160316\_00010.jpg



Remove the prunings from the waterside berm.

|  |                        |              |                        |               |          |
|--|------------------------|--------------|------------------------|---------------|----------|
| LM Start   | <b>0.59</b>            | Rating **    | M                      | Issue No.     | <b>1</b> |
| LM End   | <b>0.59</b>            | Issue Type + | En                     | Location *    | WS       |
| Category   | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|  |                        |              | Start                  | End           |          |
| Item   | Encroachments          |              | 39.171372 °            | 39.171372 °   |          |
|  |                        |              | -121.750000 °          | -121.750000 ° |          |
| DWR ID   | DWR_ST0020_01_f_2015_1 |              |                        |               |          |
| Comment Code                                     |                        |              |                        |               |          |
| TR : Tree or limb                                |                        |              |                        |               |          |
| Inspector Comment                                |                        |              |                        |               |          |
| Remove the cactus tree from the waterside slope. |                        |              |                        |               |          |

Photo 1 of 1 : SP\_2016\_ST0020\_213\_1\_20160316\_00001.jpg



View of the cactus tree that has fallen on the waterside slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 West Levee | Right | 1.75       | 03/17/2016<br>03/17/2016 | Keith Millard |

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>0.62</b>            | Rating **    | U  | Issue No.              | <b>4</b>      |
| LM End   | <b>0.65</b>            | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Erosion / Bank Caving  |              |    | 39.171292 °            | 39.171232 °   |
|  |                        |              |    | -121.748868 °          | -121.748175 ° |
| DWR ID   | DWR_NA0020_01_s_2012_4 |              |    |                        |               |
| Comment Code   |                        |              |    |                        |               |
| E2 : Schedule repair of erosion site prior to the next inspection. |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| Repair the erosion along the concrete ditch.                       |                        |              |    |                        |               |

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>0.62</b> | Rating **    | U  | Issue No.  | <b>4 (cont)</b> |
| LM End   | <b>0.65</b> | Issue Type + | Ma | Location * | WS              |

Photo 1 of 2 : SP\_2016\_ST0020\_213\_4\_20160316\_00004.jpg



Repair the erosion along the concrete ditch before winter.

Photo 2 of 2 : SP\_2016\_ST0020\_213\_4\_20160316\_00005.jpg



Repair the erosion along the concrete ditch.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 West Levee | Right | 1.75       | 03/17/2016<br>03/17/2016 | Keith Millard |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>0.89</b>          | Rating **    | M  | Issue No.              | <b>24</b>     |
| LM End   | <b>0.89</b>          | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.171317 °            | 39.171317 °   |
|  |                      |              |    | -121.743474 °          | -121.743474 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:48117<br>DS_ID:19417<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/19/2106 Meter has been removed from the power box and the power lines have been disconnected from the pole and pump. Appears this crossing may have been abandoned.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.<br>FIELD_STRUCT_DESC: 12-inch steel irrigation pipe crosses over canal above crown elevation. Chain link enclosure on the landside (LS) with pump, power line, and shutoff valve. 24-inch concrete standpipe on unprotected side of canal. [Additional Reference(s): DWR Levee Log, Revised 1990]<br>FS Date: 5/2/2016 10:29:00 AM |                      |              |    |                        |               |

Photo 1 of 2 : UCIP\_SP\_2016\_48117\_11344.jpg



Pump, meter, power pole, slide gate, and chainlink fence on LS with 24-inch concrete standpipe on unprotected side of canal.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>0.89</b> | Rating **    | M  | Issue No.  | <b>24 (cont)</b> |
| LM End   | <b>0.89</b> | Issue Type + | En | Location * | WS               |

Photo 2 of 2 : UCIP\_SP\_2016\_48117\_74963.jpg



Meter removed from box and disconnected power lines

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

|                        |       |            |                          |               |
|------------------------|-------|------------|--------------------------|---------------|
| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
| Unit No. 01 West Levee | Right | 1.75       | 03/17/2016<br>03/17/2016 | Keith Millard |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | <b>1.06</b>             | Rating **    | U  | Issue No.              | <b>13</b>     |
| LM End   | <b>1.06</b>             | Issue Type + | En | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Encroachments           |              |    | 39.171360 °            | 39.171360 °   |
|  |                         |              |    | -121.747381 °          | -121.747381 ° |
| DWR ID   | DWR_ST0020_01_s_2016_13 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| AV : Abandoned vehicles  |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Water truck on w/s slope with tire stuck in soft soil leaning toward channel, and 2005 DMV registration. |                         |              |    |                        |               |

No Photos

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>1.09</b>          | Rating **    | U  | Issue No.              | <b>25</b>     |
| LM End  | <b>1.09</b>          | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.171301 °            | 39.171301 °   |
|   |                      |              |    | -121.739799 °          | -121.739799 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:48146<br>DS_ID:19434<br>EP_NO: 12746<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/19/2016 Crossing appears to be in good condition. Still no flapgate installed on the WS but unsure if its even necessary.5/12/2015 Still no flap gate on pipe end but i believe the LS inlet is high enough to not allow water to flow through pipe.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 There is no flap gate or other device to prevent water from flowing back through the pipe at the outlet.<br>FIELD_STRUCT_DESC: 24-inch concrete storm drain pipe through the levee 2 feet below the crown with a steel deflector at outlet located on waterside (WS). No flap gate installed as of April 2016. (Permit No. 12746, 1979-Dan Garcia; named change and flap gate authorized under Permit No. 12746-1, 2016-County of Sutter).<br>FS Date: 5/2/2016 10:25:00 AM |                      |              |    |                        |               |

Photo 1 of 1 : UCIP\_SP\_2016\_48146\_11345.jpg



Outlet in channel with steel deflector over pipe outlet.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 West Levee | Right | 1.75       | 03/17/2016<br>03/17/2016 | Keith Millard |

|  |                      |              |    |                        |              |
|--|----------------------|--------------|----|------------------------|--------------|
| LM Start   | <b>1.09</b>          | Rating **    | M  | Issue No.              | <b>26</b>    |
| LM End   | <b>1.09</b>          | Issue Type + | En | Location *             | WS           |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |              |
|  |                      |              |    | Start                  | End          |
| Item   | DWR UCIP Field Study |              |    | 39.171296°             | 39.171296°   |
|  |                      |              |    | -121.739779°           | -121.739779° |
| DWR ID   |                      |              |    |                        |              |
| Comment Code   |                      |              |    |                        |              |
| Inspector Comment  |                      |              |    |                        |              |
| FS_ID:48147<br>DS_ID:20115<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 New flapgate installed on WS pipe end.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 Pipe not permitted and has no flap gate.<br>FIELD_STRUCT_DESC: 8-inch corrugated metal drainage pipe through the levee, 1.5 feet below the crown. Outlet visible on waterside (WS). Unable to locate the inlet on landside (LS). No permit has been identified since crossing was field discovered in 2012.<br>FS Date: 5/2/2016 10:27:00 AM |                      |              |    |                        |              |

Photo 1 of 2 : UCIP\_SP\_2016\_48147\_64242.jpg



Pipe at outlet on WS crown.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>1.09</b> | Rating **    | M  | Issue No.  | <b>26 (cont)</b> |
| LM End   | <b>1.09</b> | Issue Type + | En | Location * | WS               |

Photo 2 of 2 : UCIP\_SP\_2016\_48147\_64400.jpg



Enter photo 2 description or comment here.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

| Waterway               | Bank  | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|-------|------------|--------------------------|---------------|
| Unit No. 01 West Levee | Right | 1.75       | 03/17/2016<br>03/17/2016 | Keith Millard |

|  |   |              |    |                        |               |
|--|---|--------------|----|------------------------|---------------|
| LM Start   | <b>1.67</b>                             | Rating **    | U  | Issue No.              | <b>6</b>      |
| LM End   | <b>1.67</b>                             | Issue Type + | Ma | Location *             | WS            |
| Category   | Rivers, Channels & Designated Floodways |              |    | GPS Latitude/Longitude |               |
|  |   |              |    | Start                  | End           |
| Item   | Erosion / Bank Caving                   |              |    | 39.171128 °            | 39.171128 °   |
|  |   |              |    | -121.729235 °          | -121.729235 ° |
| DWR ID   | DWR_NA0020_01_s_2012_6                  |              |    |                        |               |
| Comment Code   |   |              |    |                        |               |
| Inspector Comment                                      |   |              |    |                        |               |
| Sutter Yard needs to repair the erosion before winter. |   |              |    |                        |               |

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>1.67</b> | Rating **    | U  | Issue No.  | <b>6 (cont)</b> |
| LM End   | <b>1.67</b> | Issue Type + | Ma | Location * | WS              |

Photo 1 of 2 : SP\_2016\_ST0020\_213\_6\_20160316\_00007.jpg



Repair the erosion along the waterside slope.

Photo 2 of 2 : SP\_2016\_ST0020\_213\_6\_20160316\_00008.jpg



Repair the erosion along the waterside slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2016 Levee Inspection Results**

**Sutter Maintenance Yard East-West Interceptor**

|                        |  |      |            |
|------------------------|--|------|------------|
| Waterway               |  | Bank | Unit Miles |
| Unit No. 02 East Levee |  | Left | 3.05       |

|  | 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                     | 3/17/2016 - 3/17/2016                    |                           |                                |                                 |
| DWR Inspector                          | Keith Millard                            |                           |                                |                                 |
| Accompanied By                         | Steve Beckley<br>Sutter Maintenance Yard |                           |                                |                                 |

**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 2016**

**Sutter Maintenance Yard East-West Interceptor**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 East Levee | Left | 3.05       | 03/17/2016<br>03/17/2016 | Keith Millard |

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | <b>0.00</b>             | Rating **    | M  | Issue No.              | <b>11</b>    |
| LM End   | <b>0.26</b>             | Issue Type + | Ma | Location *             | LS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Vegetation              |              |    | 39.171116°             | 39.171101°   |
|  |                         |              |    | -121.726501°           | -121.721857° |
| DWR ID   | DWR_NA0020_02_s_2012_11 |              |    |                        |              |
| Comment Code   |                         |              |    |                        |              |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                         |              |    |                        |              |
| Inspector Comment  |                         |              |    |                        |              |
|  |                         |              |    |                        |              |

No Photos

|                                    |                         |              |    |                        |              |
|------------------------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start                           | <b>0.20</b>             | Rating **    | M  | Issue No.              | <b>25</b>    |
| LM End                             | <b>0.20</b>             | Issue Type + | En | Location *             | WS           |
| Category                           | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                                    |                         |              |    | Start                  | End          |
| Item                               | Encroachments           |              |    | 39.171130°             | 39.171130°   |
|                                    |                         |              |    | -121.722654°           | -121.722654° |
| DWR ID                             | DWR_ST0020_02_s_2016_25 |              |    |                        |              |
| Comment Code                       |                         |              |    |                        |              |
| DE : Debris                        |                         |              |    |                        |              |
| Inspector Comment                  |                         |              |    |                        |              |
| Discarded box freezer on landside. |                         |              |    |                        |              |

No Photos

|                   |                         |              |    |                        |              |
|-------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start          | <b>0.25</b>             | Rating **    | M  | Issue No.              | <b>12</b>    |
| LM End            | <b>0.25</b>             | Issue Type + | En | Location *             | WS           |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                   |                         |              |    | Start                  | End          |
| Item              | Encroachments           |              |    | 39.171107°             | 39.171107°   |
|                   |                         |              |    | -121.722069°           | -121.722069° |
| DWR ID            | DWR_NA0020_02_s_2012_12 |              |    |                        |              |
| Comment Code      |                         |              |    |                        |              |
| GA : Garbage      |                         |              |    |                        |              |
| Inspector Comment |                         |              |    |                        |              |
| Tires             |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2016\_ST0020\_214\_12\_20160316\_00012.jpg



View of the tires along the W/S toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 East Levee | Left | 3.05       | 03/17/2016<br>03/17/2016 | Keith Millard |

|                   |                        |              |                        |              |          |
|-------------------|------------------------|--------------|------------------------|--------------|----------|
| LM Start          | <b>0.26</b>            | Rating **    | M                      | Issue No.    | <b>9</b> |
| LM End            | <b>0.26</b>            | Issue Type + | En                     | Location *   | LS       |
| Category          | Earthen Levee          |              | GPS Latitude/Longitude |              |          |
|                   |                        |              | Start                  | End          |          |
| Item              | Encroachments          |              | 39.171101°             | 39.171101°   |          |
|                   |                        |              | -121.721856°           | -121.721856° |          |
| DWR ID            | DWR_NA0020_02_s_2012_9 |              |                        |              |          |
| Comment Code      |                        |              |                        |              |          |
| DE : Debris       |                        |              |                        |              |          |
| Inspector Comment |                        |              |                        |              |          |

Photo 1 of 1 : SP\_2016\_ST0020\_214\_9\_20160316\_00010.jpg



View of the debris along the L/S toe.

|   |                      |              |                        |              |           |
|---|----------------------|--------------|------------------------|--------------|-----------|
| LM Start  | <b>0.39</b>          | Rating **    | M                      | Issue No.    | <b>31</b> |
| LM End  | <b>0.39</b>          | Issue Type + | En                     | Location *   | LS        |
| Category  | Supplemental         |              | GPS Latitude/Longitude |              |           |
|   |                      |              | Start                  | End          |           |
| Item  | DWR UCIP Field Study |              | 39.171067°             | 39.171067°   |           |
|   |                      |              | -121.719217°           | -121.719217° |           |
| DWR ID  |                      |              |                        |              |           |
| Comment Code  |                      |              |                        |              |           |
| Inspector Comment   |                      |              |                        |              |           |
| FS_ID:48154<br>DS_ID:19425<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/19/2016 Abandoned crossing.5/12/2015 Abandoned crossing.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 Pipe and pump abandoned. Pipe should be removed or properly abandoned.<br>FIELD_STRUCT_DESC: 8-inch iron irrigation pipe through the levee, 2 feet below crown. 7.5 HP Pump in canal. [Additional Reference(s): DWR Levee Log, Revised 1990. USACE Sacramento O&M Manual 135, revision May 1953, As-builts Dwg. 50-10-2816.]<br>FS Date: 5/2/2016 10:40:00 AM |                      |              |                        |              |           |

Photo 1 of 2 : UCIP\_SP\_2016\_48154\_11363.jpg



Pipe on LS slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 East Levee | Left | 3.05       | 03/17/2016<br>03/17/2016 | Keith Millard |

|   |                      |              |    |                        |                  |
|---|----------------------|--------------|----|------------------------|------------------|
| LM Start  | <b>0.39</b>          | Rating **    | M  | Issue No.              | <b>31 (cont)</b> |
| LM End  | <b>0.39</b>          | Issue Type + | En | Location *             | LS               |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |                  |
|   |                      |              |    | Start                  | End              |
| Item  | DWR UCIP Field Study |              |    | 39.171067 °            | 39.171067 °      |
|   |                      |              |    | -121.719217 °          | -121.719217 °    |
| DWR ID  |                      |              |    |                        |                  |
| Comment Code  |                      |              |    |                        |                  |
| Inspector Comment   |                      |              |    |                        |                  |
| FS_ID:48154<br>DS_ID:19425<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/19/2016 Abandoned crossing.5/12/2015 Abandoned crossing.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 Pipe and pump abandoned. Pipe should be removed or properly abandoned.<br>FIELD_STRUCT_DESC: 8-inch iron irrigation pipe through the levee, 2 feet below crown. 7.5 HP Pump in canal. [Additional Reference(s): DWR Levee Log, Revised 1990. USACE Sacramento O&M Manual 135, revision May 1953, As-builts Dwg. 50-10-2816.]<br>FS Date: 5/2/2016 10:40:00 AM |                      |              |    |                        |                  |

Photo 2 of 2 : UCIP\_SP\_2016\_48154\_11362.jpg



Pump platform on LS slope.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start                               | <b>0.53</b>             | Rating **    | M  | Issue No.              | <b>28</b>     |
| LM End                                 | <b>0.53</b>             | Issue Type + | En | Location *             | WS            |
| Category                               | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item                                   | Encroachments           |              |    | 39.171028 °            | 39.171028 °   |
|  |                         |              |    | -121.716475 °          | -121.716475 ° |
| DWR ID                                 | DWR_ST0020_02_s_2016_28 |              |    |                        |               |
| Comment Code                           |                         |              |    |                        |               |
| DE : Debris                            |                         |              |    |                        |               |
| Inspector Comment                      |                         |              |    |                        |               |
| Tires and tree clippings on w/s crown. |                         |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 East Levee | Left | 3.05       | 03/17/2016<br>03/17/2016 | Keith Millard |

|  |                        |              |                        |               |          |
|--|------------------------|--------------|------------------------|---------------|----------|
| LM Start   | <b>0.55</b>            | Rating **    | M                      | Issue No.     | <b>2</b> |
| LM End   | <b>2.72</b>            | Issue Type + | Ma                     | Location *    | WS       |
| Category   | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|  |                        |              | Start                  | End           |          |
| Item   | Vegetation             |              | 39.171002 °            | 39.170507 °   |          |
|  |                        |              | -121.716293 °          | -121.676212 ° |          |
| DWR ID   | DWR_NA0020_02_s_2012_2 |              |                        |               |          |
| Comment Code   |                        |              |                        |               |          |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                        |              |                        |               |          |
| Inspector Comment  |                        |              |                        |               |          |
| Remove the vegetation from both slopes.                                      |                        |              |                        |               |          |

Photo 1 of 2 : SP\_2016\_ST0020\_214\_2\_20160316\_00002.jpg



View of the vegetation on both slopes.

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>0.55</b> | Rating **    | M  | Issue No.  | <b>2 (cont)</b> |
| LM End   | <b>2.72</b> | Issue Type + | Ma | Location * | WS              |

Photo 2 of 2 : SP\_2016\_ST0020\_214\_2\_20160316\_00003.jpg



View of the vegetation on both slopes.

|                                     |                         |              |                        |               |           |
|-------------------------------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start                            | <b>0.65</b>             | Rating **    | M                      | Issue No.     | <b>29</b> |
| LM End                              | <b>0.65</b>             | Issue Type + | En                     | Location *    | LS        |
| Category                            | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                                     |                         |              | Start                  | End           |           |
| Item                                | Encroachments           |              | 39.171033 °            | 39.171033 °   |           |
|                                     |                         |              | -121.714398 °          | -121.714398 ° |           |
| DWR ID                              | DWR_ST0020_02_s_2016_29 |              |                        |               |           |
| Comment Code                        |                         |              |                        |               |           |
| DE : Debris                         |                         |              |                        |               |           |
| Inspector Comment                   |                         |              |                        |               |           |
| Mattress and tree clippings on l/s. |                         |              |                        |               |           |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

| Waterway               |  | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|--|------|------------|--------------------------|---------------|
| Unit No. 02 East Levee |  | Left | 3.05       | 03/17/2016<br>03/17/2016 | Keith Millard |

|          |                      |              |                        |               |           |
|----------|----------------------|--------------|------------------------|---------------|-----------|
| LM Start | <b>0.74</b>          | Rating **    | M                      | Issue No.     | <b>32</b> |
| LM End   | <b>0.74</b>          | Issue Type + | En                     | Location *    | LS        |
| Category | Supplemental         |              | GPS Latitude/Longitude |               |           |
|          |                      |              | Start                  | End           |           |
| Item     | DWR UCIP Field Study |              | 39.170989 °            | 39.170989 °   |           |
|          |                      |              | -121.712650 °          | -121.712650 ° |           |
| DWR ID   |                      |              |                        |               |           |

|              |  |  |  |  |  |
|--------------|--|--|--|--|--|
| Comment Code |  |  |  |  |  |
|              |  |  |  |  |  |

**Inspector Comment**

FS\_ID:48155  
 DS\_ID:19426  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 4/19/2016 Abandoned crossing.5/12/2015 Abandoned crossing. Needs to be properly abandoned.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 Pumping plant abandoned. Pipe abandoned and only visible at bottom of concrete standpipe. Pipe needs to be abandoned properly.  
 FIELD\_STRUCT\_DESC: 12-inch iron irrigation pipe through the levee 6 feet below the crown. Power pole on waterside (WS) shoulder with pump on berm. 36-inch concrete standpipe on landside (LS) shoulder.  
 [Additional Reference(s): DWR Levee Log, Revised 1990. USACE Sacramento O&M Manual 135, May 1953, As-builts Dwg. 50-10-2816]  
 FS Date: 5/2/2016 10:41:00 AM

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>0.74</b> | Rating **    | M  | Issue No.  | <b>32 (cont)</b> |
| LM End   | <b>0.74</b> | Issue Type + | En | Location * | LS               |

Photo 1 of 2 : UCIP\_SP\_2016\_48155\_11391.jpg



Concrete standpipe on LS shoulder.

Photo 2 of 2 : UCIP\_SP\_2016\_48155\_11390.jpg



Powerpole on WS 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 | <b>N : Not Inspected/Rated</b><br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 East Levee | Left | 3.05       | 03/17/2016<br>03/17/2016 | Keith Millard |

|                                 |                         |              |                        |               |           |
|---------------------------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start                        | <b>1.33</b>             | Rating **    | M                      | Issue No.     | <b>30</b> |
| LM End                          | <b>1.33</b>             | Issue Type + | En                     | Location *    | CR        |
| Category                        | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                                 |                         |              | Start                  | End           |           |
| Item                            | Encroachments           |              | 39.170814 °            | 39.170814 °   |           |
|                                 |                         |              | -121.701573 °          | -121.701573 ° |           |
| DWR ID                          | DWR_ST0020_02_s_2016_30 |              |                        |               |           |
| Comment Code                    |                         |              |                        |               |           |
| DE : Debris                     |                         |              |                        |               |           |
| Inspector Comment               |                         |              |                        |               |           |
| Trash/debris pile on w/s crown. |                         |              |                        |               |           |

No Photos

|                             |                        |              |                        |               |          |
|-----------------------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start                    | <b>1.43</b>            | Rating **    | M                      | Issue No.     | <b>3</b> |
| LM End                      | <b>1.55</b>            | Issue Type + | Ma                     | Location *    | LS       |
| Category                    | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                             |                        |              | Start                  | End           |          |
| Item                        | Encroachments          |              | 39.170782 °            | 39.170817 °   |          |
|                             |                        |              | -121.700167 °          | -121.698203 ° |          |
| DWR ID                      | DWR_NA0020_02_s_2012_3 |              |                        |               |          |
| Comment Code                |                        |              |                        |               |          |
| DE : Debris                 |                        |              |                        |               |          |
| Inspector Comment           |                        |              |                        |               |          |
| Remove the broken concrete. |                        |              |                        |               |          |

Photo 1 of 2 : SP\_2016\_ST0020\_214\_3\_20160316\_00004.jpg



View of the piles of broken concrete.

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>1.43</b> | Rating **    | M  | Issue No.  | <b>3 (cont)</b> |
| LM End   | <b>1.55</b> | Issue Type + | Ma | Location * | LS              |

Photo 2 of 2 : SP\_2016\_ST0020\_214\_3\_20160316\_00005.jpg



View of the pile of broken concrete.

|  |  |  |   |
|--|--|--|---|
| <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 : Not Inspected/Rated</b><br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 East Levee | Left | 3.05       | 03/17/2016<br>03/17/2016 | Keith Millard |

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start                                       | <b>1.54</b>            | Rating **    | M  | Issue No.              | <b>4</b>      |
| LM End   | <b>1.93</b>            | Issue Type + | Ma | Location *             | WS            |
| Category                                       | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Erosion / Bank Caving  |              |    | 39.170800 °            | 39.170702 °   |
|  |                        |              |    | -121.698105 °          | -121.690788 ° |
| DWR ID   | DWR_NA0020_02_s_2012_4 |              |    |                        |               |
| Comment Code                                   |                        |              |    |                        |               |
| E1 : Note and monitor erosion site.            |                        |              |    |                        |               |
| Inspector Comment                              |                        |              |    |                        |               |
| Monitor the erosion along the waterside slope. |                        |              |    |                        |               |

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>1.54</b> | Rating **    | M  | Issue No.  | <b>4 (cont)</b> |
| LM End   | <b>1.93</b> | Issue Type + | Ma | Location * | WS              |

Photo 1 of 2 : SP\_2016\_ST0020\_214\_4\_20160316\_00006.jpg



View of the erosion along the waterside slope.

Photo 2 of 2 : SP\_2016\_ST0020\_214\_4\_20160316\_00007.jpg



View of the erosion along the waterside slope.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 East Levee | Left | 3.05       | 03/17/2016<br>03/17/2016 | Keith Millard |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>1.74</b>          | Rating **    | M  | Issue No.              | <b>34</b>     |
| LM End  | <b>1.74</b>          | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.170832 °            | 39.170832 °   |
|   |                      |              |    | -121.694174 °          | -121.694174 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:48162<br>DS_ID:20119<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 No permit identified for crossing.<br>FIELD_STRUCT_DESC: 5-inch aluminum storm drain pipe through the levee, 1 foot below the crown. Flap gate on waterside (WS) with concrete headwall block on landside (LS). No permit has been identified since crossing was field discovered in 2012.<br>FS Date: 5/2/2016 10:52:00 AM |                      |              |    |                        |               |

Photo 1 of 2 : UCIP\_SP\_2016\_48162\_14335.jpg



pipe with flap gate on WS shoulder.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>1.74</b> | Rating **    | M  | Issue No.  | <b>34 (cont)</b> |
| LM End   | <b>1.74</b> | Issue Type + | En | Location * | WS               |

Photo 2 of 2 : UCIP\_SP\_2016\_48162\_14334.jpg



Concrete headwall on LS shoulder.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 East Levee | Left | 3.05       | 03/17/2016<br>03/17/2016 | Keith Millard |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>1.74</b>          | Rating **    | M  | Issue No.              | <b>35</b>     |
| LM End  | <b>1.74</b>          | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.170832 °            | 39.170832 °   |
|   |                      |              |    | -121.694174 °          | -121.694174 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:48163<br>DS_ID:20122<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 No permit identified for crossing.<br>FIELD_STRUCT_DESC: 7-inch flexible high-density polyethylene (HDPE) storm drain pipe through the levee, 1 foot below the crown. No permit has been identified since crossing was field discovered in 2012.<br>FS Date: 5/2/2016 10:52:00 AM |                      |              |    |                        |               |

Photo 1 of 1 : UCIP\_SP\_2016\_48163\_14341.jpg



HDPE pipe on upstream side of aluminum pipe shown in picture.

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>1.76</b>          | Rating **    | M  | Issue No.              | <b>36</b>     |
| LM End  | <b>1.76</b>          | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.170806 °            | 39.170806 °   |
|   |                      |              |    | -121.693769 °          | -121.693769 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:48164<br>DS_ID:20120<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 No permit identified for crossing.<br>FIELD_STRUCT_DESC: 5-inch aluminum storm drain pipe through the levee, 1 foot below the crown. Flap gate on waterside (WS) with concrete headwall block on landside (LS). No permit has been identified since crossing was field discovered in 2012.<br>FS Date: 5/2/2016 10:53:00 AM |                      |              |    |                        |               |

Photo 1 of 2 : UCIP\_SP\_2016\_48164\_14339.jpg



Pipe and flap gate on WS shoulder.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 East Levee | Left | 3.05       | 03/17/2016<br>03/17/2016 | Keith Millard |

|   |                      |              |    |                        |                  |
|---|----------------------|--------------|----|------------------------|------------------|
| LM Start  | <b>1.76</b>          | Rating **    | M  | Issue No.              | <b>36 (cont)</b> |
| LM End  | <b>1.76</b>          | Issue Type + | En | Location *             | WS               |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |                  |
|   |                      |              |    | Start                  | End              |
| Item  | DWR UCIP Field Study |              |    | 39.170806°             | 39.170806°       |
|   |                      |              |    | -121.693769°           | -121.693769°     |
| DWR ID  |                      |              |    |                        |                  |
| Comment Code  |                      |              |    |                        |                  |
| Inspector Comment   |                      |              |    |                        |                  |
| FS_ID:48164<br>DS_ID:20120<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 No permit identified for crossing.<br>FIELD_STRUCT_DESC: 5-inch aluminum storm drain pipe through the levee, 1 foot below the crown. Flap gate on waterside (WS) with concrete headwall block on landside (LS). No permit has been identified since crossing was field discovered in 2012.<br>FS Date: 5/2/2016 10:53:00 AM |                      |              |    |                        |                  |

Photo 2 of 2 : UCIP\_SP\_2016\_48164\_14338.jpg



Concrete headwall on LS shoulder.

|   |                      |              |    |                        |              |
|---|----------------------|--------------|----|------------------------|--------------|
| LM Start  | <b>1.76</b>          | Rating **    | M  | Issue No.              | <b>37</b>    |
| LM End  | <b>1.76</b>          | Issue Type + | En | Location *             | WS           |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |              |
|   |                      |              |    | Start                  | End          |
| Item  | DWR UCIP Field Study |              |    | 39.170806°             | 39.170806°   |
|   |                      |              |    | -121.693769°           | -121.693769° |
| DWR ID  |                      |              |    |                        |              |
| Comment Code  |                      |              |    |                        |              |
| Inspector Comment   |                      |              |    |                        |              |
| FS_ID:48165<br>DS_ID:20121<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 No permit identified for crossing.<br>FIELD_STRUCT_DESC: 7-inch flexible high-density polyethylene (HDPE) storm drain pipe through the levee, 1 foot below the crown. No permit has been identified since crossing was field discovered in 2012.<br>FS Date: 5/2/2016 10:53:00 AM |                      |              |    |                        |              |

Photo 1 of 1 : UCIP\_SP\_2016\_48165\_14340.jpg



HDPE pipe on WS shoulder.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 East Levee | Left | 3.05       | 03/17/2016<br>03/17/2016 | Keith Millard |

|                   |                        |              |                        |               |          |
|-------------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start          | <b>1.92</b>            | Rating **    | M                      | Issue No.     | <b>5</b> |
| LM End            | <b>2.04</b>            | Issue Type + | En                     | Location *    | LS       |
| Category          | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                   |                        |              | Start                  | End           |          |
| Item              | Encroachments          |              | 39.171104 °            | 39.171104 °   |          |
|                   |                        |              | -121.718880 °          | -121.718876 ° |          |
| DWR ID            | DWR_NA0020_02_s_2012_5 |              |                        |               |          |
| Comment Code      |                        |              |                        |               |          |
| EQ : Equipment    |                        |              |                        |               |          |
| Inspector Comment |                        |              |                        |               |          |
|                   |                        |              |                        |               |          |

Photo 1 of 1 : SP\_2016\_ST0020\_214\_5\_20160316\_00008.jpg



View of the equipment and buildings next to the landside berm.

|                   |                         |              |                        |               |           |
|-------------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start          | <b>1.93</b>             | Rating **    | U                      | Issue No.     | <b>26</b> |
| LM End            | <b>1.93</b>             | Issue Type + | En                     | Location *    | CR        |
| Category          | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                   |                         |              | Start                  | End           |           |
| Item              | Encroachments           |              | 39.170743 °            | 39.170743 °   |           |
|                   |                         |              | -121.690644 °          | -121.690644 ° |           |
| DWR ID            | DWR_ST0020_02_s_2014_26 |              |                        |               |           |
| Comment Code      |                         |              |                        |               |           |
| PI : Pipe         |                         |              |                        |               |           |
| Inspector Comment |                         |              |                        |               |           |
|                   |                         |              |                        |               |           |

Photo 1 of 1 : SP\_2016\_ST0020\_214\_26\_20160316\_00015.jpg



View of the unauthorized pipe going through the crown of the levee.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 East Levee | Left | 3.05       | 03/17/2016<br>03/17/2016 | Keith Millard |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | <b>1.93</b>          | Rating **    | M  | Issue No.              | <b>38</b>     |
| LM End   | <b>1.93</b>          | Issue Type + | En | Location *             | CR            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.170771 °            | 39.170771 °   |
|          |                      |              |    | -121.690631 °          | -121.690631 ° |
| DWR ID   |                      |              |    |                        |               |

|              |  |  |  |  |  |
|--------------|--|--|--|--|--|
| Comment Code |  |  |  |  |  |
|              |  |  |  |  |  |

|                   |  |  |  |  |  |
|-------------------|--|--|--|--|--|
| Inspector Comment |  |  |  |  |  |
|-------------------|--|--|--|--|--|

FS\_ID:48167  
 DS\_ID:20123  
 EP\_NO: N/A  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.5/22/2013 Erosion under pipe outlet has been repaired. Bank lined with rock to prevent future erosion.5/15/2013 Flexible pipe has been replaced with 6.5 inch steel with flap gate on WS. Erosion under WS outlet.11/4/2013 Same as last inspection.10/16/2012 No permit identified for crossing.  
 FIELD\_STRUCT\_DESC: 7-inch flexible high-density polyethylene (HDPE) storm drain pipe through the levee, 1 foot below the crown. Signage for crossing is visible on landside (LS) shoulder. Outlet visible on waterside (WS) shoulder. No permit has been identified since crossing was field discovered in 2012.  
 FS Date: 5/2/2016 10:55:00 AM

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>1.93</b> | Rating **    | M  | Issue No.  | <b>38 (cont)</b> |
| LM End   | <b>1.93</b> | Issue Type + | En | Location * | CR               |

Photo 1 of 2 : UCIP\_SP\_2016\_48167\_21743.jpg



Inlet and signage for crossing on LS shoulder.

Photo 2 of 2 : UCIP\_SP\_2016\_48167\_21742.jpg



Outlet for crossing on WS 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 | <b>N : Not Inspected/Rated</b><br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 East Levee | Left | 3.05       | 03/17/2016<br>03/17/2016 | Keith Millard |

|                                     |                        |              |                        |               |          |
|-------------------------------------|------------------------|--------------|------------------------|---------------|----------|
| LM Start                            | <b>1.95</b>            | Rating **    | M                      | Issue No.     | <b>6</b> |
| LM End                              | <b>1.98</b>            | Issue Type + | Ma                     | Location *    | LS       |
| Category                            | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|                                     |                        |              | Start                  | End           |          |
| Item                                | Erosion / Bank Caving  |              | 39.170775 °            | 39.170775 °   |          |
|                                     |                        |              | -121.691252 °          | -121.691255 ° |          |
| DWR ID                              | DWR_NA0020_02_s_2012_6 |              |                        |               |          |
| Comment Code                        |                        |              |                        |               |          |
| E1 : Note and monitor erosion site. |                        |              |                        |               |          |
| Inspector Comment                   |                        |              |                        |               |          |
|                                     |                        |              |                        |               |          |

Photo 1 of 1 : SP\_2016\_ST0020\_214\_6\_20160316\_00009.jpg



View of the erosion along the W/S slope.

|                   |                         |              |                        |               |           |
|-------------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start          | <b>1.97</b>             | Rating **    | U                      | Issue No.     | <b>27</b> |
| LM End            | <b>1.97</b>             | Issue Type + | En                     | Location *    | CR        |
| Category          | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                   |                         |              | Start                  | End           |           |
| Item              | Encroachments           |              | 39.170777 °            | 39.170777 °   |           |
|                   |                         |              | -121.689820 °          | -121.689820 ° |           |
| DWR ID            | DWR_ST0020_02_s_2014_27 |              |                        |               |           |
| Comment Code      |                         |              |                        |               |           |
| PI : Pipe         |                         |              |                        |               |           |
| Inspector Comment |                         |              |                        |               |           |
|                   |                         |              |                        |               |           |

Photo 1 of 1 : SP\_2016\_ST0020\_214\_27\_20160316\_00016.jpg



View of the unauthorized pipe going through the crown of the levee.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 East Levee | Left | 3.05       | 03/17/2016<br>03/17/2016 | Keith Millard |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start                                      | <b>2.02</b>             | Rating **    | M                      | Issue No.     | <b>17</b> |
| LM End  | <b>2.02</b>             | Issue Type + | Ma                     | Location *    | WS        |
| Category                                      | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Erosion / Bank Caving   |              | 39.170756 °            | 39.170756 °   |           |
|   |                         |              | -121.689841 °          | -121.689841 ° |           |
| DWR ID  | DWR_NA0020_02_s_2013_17 |              |                        |               |           |
| Comment Code                                  |                         |              |                        |               |           |
| E1 : Note and monitor erosion site.           |                         |              |                        |               |           |
| Inspector Comment                             |                         |              |                        |               |           |
| Repair the erosion along the waterside slope. |                         |              |                        |               |           |

Photo 1 of 1 : SP\_2016\_ST0020\_214\_17\_20160316\_00013.jpg



View of the erosion along the waterside slope.

|  |                         |              |                        |              |           |
|--|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start   | <b>2.02</b>             | Rating **    | U                      | Issue No.    | <b>18</b> |
| LM End   | <b>2.02</b>             | Issue Type + | En                     | Location *   | WS        |
| Category   | Earthen Levee           |              | GPS Latitude/Longitude |              |           |
|  |                         |              | Start                  | End          |           |
| Item   | Encroachments           |              | 39.170756 °            | 39.170756 °  |           |
|  |                         |              | 121.689840 °           | 121.689840 ° |           |
| DWR ID   | DWR_NA0020_02_s_2013_18 |              |                        |              |           |
| Comment Code   |                         |              |                        |              |           |
| PI : Pipe  |                         |              |                        |              |           |
| Inspector Comment  |                         |              |                        |              |           |
| View of an unauthorized pipe going through the crown of the levee. |                         |              |                        |              |           |

Photo 1 of 1 : SP\_2016\_ST0020\_214\_18\_20160316\_00014.jpg



View of the unauthorized pipe going through the crown of the levee.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 East Levee | Left | 3.05       | 03/17/2016<br>03/17/2016 | Keith Millard |

|  |                      |              |    |                        |              |
|--|----------------------|--------------|----|------------------------|--------------|
| LM Start   | <b>2.03</b>          | Rating **    | M  | Issue No.              | <b>40</b>    |
| LM End   | <b>2.03</b>          | Issue Type + | En | Location *             | WS           |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |              |
|  |                      |              |    | Start                  | End          |
| Item   | DWR UCIP Field Study |              |    | 39.170708°             | 39.170708°   |
|  |                      |              |    | -121.688572°           | -121.688572° |
| DWR ID   |                      |              |    |                        |              |
| Comment Code   |                      |              |    |                        |              |
| Inspector Comment  |                      |              |    |                        |              |
| FS_ID:48170<br>DS_ID:20125<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.11/4/2013 Same as last inspection.5/15/2013 Same as last inspection.10/16/2012 No permit identified for this crossing.<br>FIELD_STRUCT_DESC: Fiber optic line through the levee at an unknown depth. Crossing is located on the east side of Township road bridge. Marker visible on east side of N. Township Drive, south of interceptor. Owner is Pacific and their contact number is 1-877-735-7366. No permit has been identified since crossing was field discovered in 2012.<br>FS Date: 5/2/2016 10:56:00 AM |                      |              |    |                        |              |

Photo 1 of 2 : UCIP\_SP\_2016\_48170\_14369.jpg



Marker on east side of N Township Drive, south of interceptor.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>2.03</b> | Rating **    | M  | Issue No.  | <b>40 (cont)</b> |
| LM End   | <b>2.03</b> | Issue Type + | En | Location * | WS               |

Photo 2 of 2 : UCIP\_SP\_2016\_48170\_14368.jpg



Closeup of marker.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 East Levee | Left | 3.05       | 03/17/2016<br>03/17/2016 | Keith Millard |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | <b>2.05</b>          | Rating **    | M  | Issue No.              | <b>42</b>     |
| LM End  | <b>2.05</b>          | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.170639 °            | 39.170639 °   |
|   |                      |              |    | -121.688445 °          | -121.688445 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:48172<br>DS_ID:20127<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/19/2016 Crossing appears to be in good condition.5/12/2015 Crossing appears in good condition. No noticeable issues to report.11/17/2014 Same as last inspection.5/12/2014 Same as last inspection.5/15/2013 Same as last inspection.11/4/2013 Same as last inspection.10/16/2012 No permit identified for this crossing.<br>FIELD_STRUCT_DESC: 18-inch asphalt coated corrugated metal storm drain pipe through the levee, 6 feet below the crown. Flap gate is located on waterside (WS). Pipe is visible on landside (LS) toe. No permit has been identified since crossing was field discovered in 2012.<br>FS Date: 5/2/2016 10:57:00 AM |                      |              |    |                        |               |

Photo 1 of 2 : UCIP\_SP\_2016\_48172\_14374.jpg



Pipe on LS toe.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>2.05</b> | Rating **    | M  | Issue No.  | <b>42 (cont)</b> |
| LM End   | <b>2.05</b> | Issue Type + | En | Location * | WS               |

Photo 2 of 2 : UCIP\_SP\_2016\_48172\_14373.jpg



Location of pipe on LS toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Sutter Maintenance Yard East-West Interceptor**

| Waterway               | Bank | Unit Miles | Inspection Start/End     | Inspector     |
|------------------------|------|------------|--------------------------|---------------|
| Unit No. 02 East Levee | Left | 3.05       | 03/17/2016<br>03/17/2016 | Keith Millard |

|   |                         |              |                        |               |           |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start  | <b>2.71</b>             | Rating **    | M                      | Issue No.     | <b>10</b> |
| LM End  | <b>2.71</b>             | Issue Type + | Ma                     | Location *    | LS        |
| Category  | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|   |                         |              | Start                  | End           |           |
| Item  | Encroachments           |              | 39.170548 °            | 39.170548 °   |           |
|   |                         |              | -121.675970 °          | -121.675970 ° |           |
| DWR ID  | DWR_NA0020_02_s_2012_10 |              |                        |               |           |
| Comment Code  |                         |              |                        |               |           |
| MA : Material   |                         |              |                        |               |           |
| Inspector Comment   |                         |              |                        |               |           |
| Remove the lumber, garbage and equipment from the landside toe. |                         |              |                        |               |           |

Photo 1 of 1 : SP\_2016\_ST0020\_214\_10\_20160316\_00011.jpg



View of the material, garbage and equipment along the landside toe

|   |                        |              |                        |               |          |
|---|------------------------|--------------|------------------------|---------------|----------|
| LM Start  | <b>2.95</b>            | Rating **    | C                      | Issue No.     | <b>1</b> |
| LM End  | <b>2.95</b>            | Issue Type + | En                     | Location *    | LS       |
| Category  | Earthen Levee          |              | GPS Latitude/Longitude |               |          |
|   |                        |              | Start                  | End           |          |
| Item  | Encroachments          |              | 39.170598 °            | 39.170598 °   |          |
|   |                        |              | -121.671807 °          | -121.671807 ° |          |
| DWR ID  | DWR_ST0020_02_f_2014_1 |              |                        |               |          |
| Comment Code  |                        |              |                        |               |          |
| MA : Material   |                        |              |                        |               |          |
| Inspector Comment   |                        |              |                        |               |          |
| 3/17/2016: The concrete has been removed from the landside toe. |                        |              |                        |               |          |

No Photos

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