

**Flood Control Project Maintenance  
Levee Inspections****LMA District Cover Sheet****Spring 2015 Levee Inspection Results****Sutter Maintenance Yard Maintenance Area 0001**

|                                  | 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 2015 Levee Inspection Results**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                               |   |                           | Bank                           | Unit Miles                      |
|--|---|---------------------------|--------------------------------|---------------------------------|
| Unit No. 01 Sacramento River           |   |                           | Right                          | 16.76                           |
|  | Spring<br>(March - May)                 | Summer<br>(June - August) | (September - November)<br>Fall | Winter<br>(December - February) |
| Unit Maintenance Rating<br>(Fall Only) |   |                           |                                |                                 |
| Date of Inspection                     | 03/13/2015 - 03/13/2015                 |                           |                                |                                 |
| DWR Inspector                          | Bob Duffey                              |                           |                                |                                 |
| Accompanied By                         | Bryan Reniff<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 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|   |                                |              |    |                        |    |     |   |
|---|--------------------------------|--------------|----|------------------------|----|-----|---|
| LM Start  |                                | Rating **    | A  | Issue No.              | 19 |     |   |
| LM End  |                                | Issue Type + | Ma | Location *             | WS |     |   |
| Category  | Earthen Levee                  |              |    | GPS Latitude/Longitude |    |     |   |
|   |                                |              |    | Start                  |    | End |   |
| Item  | Emergency Supplies & Equipment |              |    |                        | °  |     | ° |
|   |                                |              |    |                        | °  |     | ° |
| DWR ID  | DWR_MA0001_01_s _ 2013_19      |              |    |                        |    |     |   |
| Action/Comments   |                                |              |    |                        |    |     |   |
| Inspector Comments: The LMA has emergency supplies and equipment. |                                |              |    |                        |    |     |   |

No Photos

|  |                                  |              |    |                        |     |   |
|--|----------------------------------|--------------|----|------------------------|-----|---|
| LM Start                                     |                                  | Rating **    | A  | Issue No.              | 28  |   |
| LM End                                       |                                  | Issue Type + | Ma | Location *             | WS  |   |
| Category                                     | Earthen Levee                    |              |    | GPS Latitude/Longitude |     |   |
|  |                                  |              |    | Start                  | End |   |
| Item   | Operations & Maintenance Manuals |              |    |                        | °   | ° |
|  |                                  |              |    |                        | °   | ° |
| DWR ID                                       | DWR_MA0001_01_s _ 2013_28        |              |    |                        |     |   |
| Action/Comments                              |                                  |              |    |                        |     |   |
| Inspector Comments: The LMA has O&M manuals. |                                  |              |    |                        |     |   |

No Photos

|   |                               |              |    |                        |    |     |
|---|-------------------------------|--------------|----|------------------------|----|-----|
| LM Start  |                               | Rating **    | A  | Issue No.              | 29 |     |
| LM End  |                               | Issue Type + | Ma | Location *             | WS |     |
| Category  | Earthen Levee                 |              |    | GPS Latitude/Longitude |    |     |
|   |                               |              |    | Start                  |    | End |
| Item  | Flood Preparedness & Training |              |    |                        | °  | °   |
|   |                               |              |    |                        | °  | °   |
| DWR ID  | DWR_MA0001_01_s _ 2013_29     |              |    |                        |    |     |
| Action/Comments   |                               |              |    |                        |    |     |
| Inspector Comments: 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                      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 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|                 |                        |              |    |                        |               |
|-----------------|------------------------|--------------|----|------------------------|---------------|
| LM Start        | 0.04                   | Rating **    | U  | Issue No.              | 2             |
| LM End          | 0.23                   | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|                 |                        |              |    | Start                  | End           |
| Item            | Encroachments          |              |    | 39.213988 °            | 39.215198 °   |
|                 |                        |              |    | -122.001537 °          | -122.004775 ° |
| DWR ID          | DWR_MA0001_01_s_2012_2 |              |    |                        |               |
| Action/Comments |                        |              |    |                        |               |
| Building        |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_MA0001\_297\_2\_20150310\_00003.jpg



View of the building along the L/S toe.

|                 |                        |              |    |                        |               |
|-----------------|------------------------|--------------|----|------------------------|---------------|
| LM Start        | 0.67                   | Rating **    | U  | Issue No.              | 7             |
| LM End          | 0.70                   | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|                 |                        |              |    | Start                  | End           |
| Item            | Encroachments          |              |    | 39.216533 °            | 39.216680 °   |
|                 |                        |              |    | -122.012512 °          | -122.012907 ° |
| DWR ID          | DWR_MA0001_01_s_2012_7 |              |    |                        |               |
| Action/Comments |                        |              |    |                        |               |
| Building        |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_MA0001\_297\_7\_20150310\_00006.jpg



View of the buildings along the L/S toe.

|                 |                        |              |    |                        |               |
|-----------------|------------------------|--------------|----|------------------------|---------------|
| LM Start        | 0.79                   | Rating **    | U  | Issue No.              | 8             |
| LM End          | 0.93                   | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|                 |                        |              |    | Start                  | End           |
| Item            | Encroachments          |              |    | 39.217282 °            | 39.218215 °   |
|                 |                        |              |    | -122.014290 °          | -122.016538 ° |
| DWR ID          | DWR_MA0001_01_s_2012_8 |              |    |                        |               |
| Action/Comments |                        |              |    |                        |               |
| Building        |                        |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 1.20                 | Rating **    | M  | Issue No.              | 9             |
| LM End   | 1.20                 | Issue Type + | En | Location *             | LS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.221685 °            | 39.221685 °   |
|          |                      |              |    | -122.015720 °          | -122.015720 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments   |  |  |  |  |  |
|---|--|--|--|--|--|
| Inspector Comments: FS_ID:44590<br>DS_ID:16431<br>EP_NO: 9481<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 Same as last inspection. No repairs have been made yet. Need pressure test/video inspection to determine integrity of pipe wall. WS-woody debris scattered along slope & bank. Erosion on bank near ditch. LS-discharge pipe heavily corroded & CMP section missing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0097 for debris & encroachment within 15 feet. 7/18/2013 LS outlet was underwater and could not be inspected but nothing looks to have been changed. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 36-inch corrugated metal pipe (CMP) through the levee, slide gate on the waterward slope. (ABO No. 9481-1974, Roberts Ditch Irrigation Company) Crossing penetrates the levee at an angle. Other appurtenances located at this crossing include slant pump, concrete distribution box and shed structure located 100 feet northeast from levee crossing. Flow is carried from concrete distribution box to slide gate via concrete lined ditch. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 63+53).<br>FS Date: 04/21/2015 |  |  |  |  |  |

|                 |                        |              |    |                        |               |
|-----------------|------------------------|--------------|----|------------------------|---------------|
| LM Start        | 1.20                   | Rating **    | U  | Issue No.              | 6             |
| LM End          | 1.34                   | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|                 |                        |              |    | Start                  | End           |
| Item            | Encroachments          |              |    | 39.222119 °            | 39.224063 °   |
|                 |                        |              |    | -122.015747 °          | -122.016080 ° |
| DWR ID          | DWR_MA0001_01_s_2012_6 |              |    |                        |               |
| Action/Comments |                        |              |    |                        |               |
| Ditch           |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_MA0001\_297\_6\_20150310\_00005.jpg



View of ag. ditch along the L/S toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 1.96                 | Rating **    | M  | Issue No.              | 10            |
| LM End   | 1.96                 | Issue Type + | En | Location *             | LS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.231866 °            | 39.231866 °   |
|          |                      |              |    | -122.015442 °          | -122.015442 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments  |  |  |  |  |  |
|--|--|--|--|--|--|
| Inspector Comments: FS_ID:44592<br>DS_ID:16430<br>EP_NO: 9487<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 WS pipe end is plugged about 50% by soil. Remove dirt and debris in riser. Outlet deformed and blocked over 50%. Debris-round concrete section on landward side. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0116 for crossing outlet deformed and clogged with dirt. 7/18/2013 WS pipe end has been reformed but is still clogged about 50% by sediment. 2/17/2013 Same as last inspection. 6/18/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal pipe (CMP) through the levee. Slide gates in CMP riser on the waterward slope. (ABO No. 9487-1974, Jimeno Rancho) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 103+18).<br>FS Date: 04/21/2015 |  |  |  |  |  |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 1.96                 | Rating **    | M  | Issue No.              | 11            |
| LM End   | 1.96                 | Issue Type + | En | Location *             | LS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.231880 °            | 39.231880 °   |
|          |                      |              |    | -122.015432 °          | -122.015432 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments  |  |  |  |  |  |
|--|--|--|--|--|--|
| Inspector Comments: FS_ID:44593<br>DS_ID:17565<br>EP_NO: 9487<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 WS pipe end plugged about 50% by soil. WS-remove dirt and debris in riser. Outlet deformed and blocked over 50%. Burrow activity near outlet on waterward slope. Debris around concrete section on landward side. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0116 for crossing outlet deformed and clogged with dirt. 7/18/2013 WS pipe end has been reformed but is still partially blocked with dirt and debris. 2/17/2013 Same as last inspection. 6/18/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal pipe (CMP) through the levee. Slide gates in CMP riser on the waterward slope. (ABO No. 9487-1974, Jimeno Rancho) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 103+18).<br>FS Date: 04/21/2015 |  |  |  |  |  |

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.28                 | Rating **    | M  | Issue No.              | 13            |
| LM End   | 2.28                 | Issue Type + | En | Location *             | LS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.235993 °            | 39.235993 °   |
|          |                      |              |    | -122.012970 °          | -122.012970 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments   |  |  |  |  |  |
|---|--|--|--|--|--|
| Inspector Comments: FS_ID:44594<br>DS_ID:16429<br>EP_NO: 9472<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 Same as last inspection Remove debris from riser. Landward inlet is blocked by over 50%. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0128 for sediment build up at inlet (landward side) and debris inside riser.<br>7/18/2013 Same as last inspection<br>12/17/2013 Same as last inspection<br>6/18/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 54-inch corrugated metal drain pipe through the levee. Slide gate in CMP riser on the waterward slope. 48-inch corrugated metal pipe at landward slope. This crossing crosses the levee at an angle. (ABO No. 9472-1974, Ballard) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 120+00) dated 1955.<br>FS Date: 04/21/2015 |  |  |  |  |  |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.30                 | Rating **    | M  | Issue No.              | 16            |
| LM End   | 2.30                 | Issue Type + | En | Location *             | LS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.236178 °            | 39.236178 °   |
|          |                      |              |    | -122.012812 °          | -122.012812 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments   |  |  |  |  |  |
|---|--|--|--|--|--|
| Inspector Comments: FS_ID:44595<br>DS_ID:16428<br>EP_NO: 9467<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 Same as last inspection Only riser visible. Debris and sediment blocking gate. Gate inside riser is buried and non-functional. If crossing is abandoned, owner needs to properly abandon. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0132 no culvert through the levee is visible here.<br>7/18/2013 Same as last inspection<br>12/17/2013 Same as last inspection<br>6/18/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal drain pipe through levee. Slide gate in CMP riser on the waterward slope. (ABO No. 9467-1974, Lovell E. Spurgeon) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 120+60)<br>FS Date: 04/21/2015 |  |  |  |  |  |

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | 2.53                    | Rating **    | U  | Issue No.              | 20            |
| LM End          | 2.55                    | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Encroachments           |              |    | 39.239750 °            | 39.239955 °   |
|                 |                         |              |    | -122.010390 °          | -122.010090 ° |
| DWR ID          | DWR_MA0001_01_s_2012_20 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Building        |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_MA0001\_297\_20\_20150310\_00009.jpg



View of the house next to the levee.

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 2.87                 | Rating **    | U  | Issue No.              | 17            |
| LM End  | 2.87                 | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.243410 °            | 39.243410 °   |
|   |                      |              |    | -122.008393 °          | -122.008393 ° |
| DWR ID  |                      |              |    |                        |               |
| Action/Comments   |                      |              |    |                        |               |
| Inspector Comments: FS_ID:44741<br>DS_ID:16416<br>EP_NO: 9474<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 Positive closure device is missing and water cannot be prevented from flowing through pipe during high water. During high water flow goes through levee. Missing positive closure device on waterward side. This structure appears abandoned- slide gates have been removed. Crossing needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0169 for concrete box partially filled with dirt. 1/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 1 of 2: 60-inch concrete pipe through the levee. Slide gates in concrete well at the waterward toe. (ABO No. 9474-1974, George R. Zumwalt) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 150+06). O&M description is for 2-5 foot by 5 foot concrete culverts 2-slide gates hand operated. Culvert constructed with wing walls and gate well.<br>FS Date: 04/24/2015 |                      |              |    |                        |               |

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 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.87                 | Rating **    | U  | Issue No.              | 30            |
| LM End   | 2.87                 | Issue Type + | En | Location *             | LS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.243433 °            | 39.243433 °   |
|          |                      |              |    | -122.008386 °          | -122.008386 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments   |  |  |  |  |  |
|---|--|--|--|--|--|
| Inspector Comments: FS_ID:44742<br>DS_ID:17567<br>EP_NO: 9474<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 Positive closure device is missing and water cannot be prevented from flowing through pipe during high water. During high water flow goes through levee. Missing positive closure device on waterward side. This structure appears abandoned- slide gates have been removed. Crossing needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0169 for concrete box partially filled with dirt 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/18/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 2 of 2: 60-inch pipe through the levee. Crossing angles through levee. Slide gates in concrete well at the waterward toe. Slide gates missing. (ABO No. 9474-1974, George R. Zumwalt) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 150+06). O&M description is for 2-5 foot by 5 foot concrete culverts 2-slide gates hand operated. Culvert constructed with wing walls and gate well.<br>FS Date: 04/24/2015 |  |  |  |  |  |

|          |                        |              |    |                        |               |
|----------|------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.05                   | Rating **    | U  | Issue No.              | 5             |
| LM End   | 3.70                   | Issue Type + | En | Location *             | LS            |
| Category | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|          |                        |              |    | Start                  | End           |
| Item     | Encroachments          |              |    | 39.246822 °            | 39.256054 °   |
|          |                        |              |    | -122.008146 °          | -122.009808 ° |
| DWR ID   | DWR MA0001_01 s 2012 5 |              |    |                        |               |

| Action/Comments |  |  |  |  |  |
|-----------------|--|--|--|--|--|
| Ditch           |  |  |  |  |  |

Photo 1 of 1 : SP\_2015\_MA0001\_297\_5\_20150310\_00004.jpg



View of the ag. ditch &amp; concrete building along the L/S toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 3.05                    | Rating **    | M  | Issue No.              | 72            |
| LM End  | 3.05                    | Issue Type + | En | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Encroachments           |              |    | 39.246855 °            | 39.246855 °   |
|   |                         |              |    | -122.008120 °          | -122.008120 ° |
| DWR ID  | DWR_MA0001_01_s_2015_72 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Tree or limb  |                         |              |    |                        |               |
| Inspector Comments: Sutter Yard needs to remove the large tree. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_MA0001\_297\_72\_20150406\_00021.jpg



View of the tree along the waterside slope and toe.

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 3.40                 | Rating **    | M  | Issue No.              | 31            |
| LM End  | 3.40                 | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.250843 °            | 39.250843 °   |
|   |                      |              |    | -122.007992 °          | -122.007992 ° |
| DWR ID  |                      |              |    |                        |               |
| Action/Comments   |                      |              |    |                        |               |
| Inspector Comments: FS_ID:44599<br>DS_ID:16426<br>EP_NO: 9490<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 LS inlet still has some minor sediment build up. Needs to be cleanedLS pipe slightly deformed and sediment build up blocking about 30% of opening; need to check the condition of the slide gate-need photo. Metal marker down. This crossing was listed in the USACE Periodic Inspection as ID#<br>USACE_CESPK_MA1C_2010_p_0187 for sediment build up at landward toe. 6/18/2013 WS slide gate looks to be in good condition but stem is slightly bent. Not sure if bend will hinder gates operation or not. LS inlet is still blocked by minor sediment build up. 2/17/2013 Same as last inspection. 6/18/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 36-inch drain pipe through the levee. Slide gate in CMP riser on the waterward slope. (Permit No. 9490-1955) This entry matches the Drainage and Irrigation structure referenced in O&M manual (Station 177+67). (USACE-1955)<br>FS Date: 04/21/2015 |                      |              |    |                        |               |

No Photos

|  |  |  |  |  |  |
|--|--|--|--|--|--|
| * Location<br>LS : Land Side N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<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 |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|--|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 3.76                 | Rating **    | U  | Issue No.              | 32            |
| LM End   | 3.76                 | Issue Type + | En | Location *             | WS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.255803 °            | 39.255803 °   |
|          |                      |              |    | -122.009683 °          | -122.009683 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments   |  |  |  |  |  |
|---|--|--|--|--|--|
| Inspector Comments: FS_ID:44600<br>DS_ID:16436<br>EP_NO: 4213<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 Sink hole over pipe alignment on LS up against the concrete building. Need to dig up pipe and see if its leaking. Recommend adding door to LS concrete structure. Riser located on landward side is damaged. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0194 no issues logged 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/18/2014 Same as last inspection 6/23/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 24-inch pipe through the levee. Gate valve on waterward shoulder. 1-1/4 inch conduit through the levee. Siphon breaker on the landward shoulder. Concrete pump house. (Permit No. 4213-1973, Scott Ranch)<br>FS Date: 04/21/2015 |  |  |  |  |  |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 3.79                 | Rating **    | M  | Issue No.              | 33            |
| LM End   | 3.79                 | Issue Type + | En | Location *             | WS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.256189 °            | 39.256189 °   |
|          |                      |              |    | -122.009957 °          | -122.009957 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments   |  |  |  |  |  |
|---|--|--|--|--|--|
| Inspector Comments: FS_ID:44603<br>DS_ID:16424<br>EP_NO: 9490<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 Same as last inspection crossing needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0194-6 & 7 no issues logged 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/18/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: Abandoned 36-inch corrugated metal pipe (CMP) through levee. Concrete distribution box with pump system located on landward side. Slide gate on the waterward slope removed. (ABO No. 9490-1974, Charles T & Virginia W. Yerxa) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 197+19).<br>FS Date: 04/22/2015 |  |  |  |  |  |

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 3.85                 | Rating **    | U  | Issue No.              | 34            |
| LM End   | 3.85                 | Issue Type + | En | Location *             | WS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.256553 °            | 39.256553 °   |
|          |                      |              |    | -122.010912 °          | -122.010912 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments  |  |  |  |  |  |
|--|--|--|--|--|--|
| Inspector Comments: FS_ID:44604<br>DS_ID:16423<br>EP_NO: 9489<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 Same as last inspection<br>Slide gate wheel handle missing. Clear debris from CMP riser. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0196 for access box contains backfilled (permanently shut) and outlet located on landside has sediment build up<br>7/18/2013 Same as last inspection<br>12/17/2013 Same as last inspection<br>6/18/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee. Slide gate in CMP riser on the waterward slope. 6 foot by 6 foot concrete box on the waterward berm . Additional 12-inch pipe inside concrete distribution box. (ABO No. 9489-1974, Mayfair Farms Inc.)<br>This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 198+00).<br>FS Date: 04/22/2015 |  |  |  |  |  |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 3.87                 | Rating **    | M  | Issue No.              | 36            |
| LM End   | 3.87                 | Issue Type + | En | Location *             | WS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.256606 °            | 39.256606 °   |
|          |                      |              |    | -122.011115 °          | -122.011115 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments  |  |  |  |  |  |
|--|--|--|--|--|--|
| Inspector Comments: FS_ID:44605<br>DS_ID:17659<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Indicator Found<br>UCIP Comments: 4/20/2015 Same as last inspection<br>USA flag markers show some type of alignment on LS. Unable to determine if crossing still exists at this location<br>7/18/2013 Same as last inspection<br>12/17/2013 Same as last inspection<br>6/18/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 18 inch steel pipe through the levee at an unknown depth. Automatic drainage gate on the outlet end of the pipe.<br>This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 150+20). (USACE, 1955)<br>FS Date: 04/22/2015 |  |  |  |  |  |

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.88                    | Rating **    | M  | Issue No.              | 50            |
| LM End   | 3.88                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 39.257125 °            | 39.257125 °   |
|  |                         |              |    | -122.012648 °          | -122.012648 ° |
| DWR ID   | DWR_MA0001_01_f_2013_50 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| Elderberries are blocking visibility and flood fight capability. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_MA0001\_297\_50\_20150310\_00015.jpg



View of the elderberry on the landside slope.

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 4.04                 | Rating **    | M  | Issue No.              | 37            |
| LM End   | 4.04                 | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.258073 °            | 39.258073 °   |
|  |                      |              |    | -122.013165 °          | -122.013165 ° |
| DWR ID   |                      |              |    |                        |               |
| Action/Comments  |                      |              |    |                        |               |
| Inspector Comments: FS_ID:44606<br>DS_ID:16422<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 Debrs is still blocking gate. Appears to be an abandoned crossingWS-wheel to operate slide gate missing, walkway has been removed; burrow activity near structure; debris in concrete distribution box WS blocking gate. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0207 the wheel to operate sluice gate missing7/18/2013 Wheel to operate slide gate has been replaced but gate is still blocked by debris12/17/2013 Same as last inspection6/18/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 24-inch pipe through the levee. Walkway to slide gate on waterward end. Walkway has been removed. Flap gate in concrete distribution box at the landward toe. (ABO - Wilcox)<br>FS Date: 04/22/2015 |                      |              |    |                        |               |

No Photos

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 4.67                    | Rating **    | A/W | Issue No.              | 73            |
| LM End   | 4.67                    | Issue Type + | Ma  | Location *             | LS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Animal Control          |              |     | 39.266557 °            | 39.266557 °   |
|  |                         |              |     | -122.011208 °          | -122.011208 ° |
| DWR ID   | DWR_MA0001_01_s_2015_73 |              |     |                        |               |
| Action/Comments  |                         |              |     |                        |               |
| Exterminate rodents and backfill and compact or grout burrows. |                         |              |     |                        |               |

Photo 1 of 1 : SP\_2015\_MA0001\_297\_73\_20150406\_00022.jpg



View of the rodent hole along the landside slope.

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 4.75                 | Rating **    | M  | Issue No.              | 38            |
| LM End   | 4.75                 | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.266435 °            | 39.266435 °   |
|  |                      |              |    | -122.010943 °          | -122.010943 ° |
| DWR ID   |                      |              |    |                        |               |
| Action/Comments  |                      |              |    |                        |               |
| Inspector Comments: FS_ID:44607<br>DS_ID:16421<br>EP_NO: 9475<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 Same as last inspection. Burrow activity; limited visibility of this crossing only on WS riser. This crossing was listed in the USACE Periodic Inspection as ID#<br>USACE_CESPK_MA1C_2010_p_0207 the wheel to operate sluice gate missing. Issue addressed wheel to slide gate has been installed. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 16.1 feet below the crown. Slide gate on the waterward end. (ABO No. 9475-1974, Mattie B. Zumwalt Co.) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 247+86).<br>FS Date: 04/22/2015 |                      |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|   |                        |              |    |                        |               |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start  | 4.89                   | Rating **    | M  | Issue No.              | 3             |
| LM End  | 4.89                   | Issue Type + | Ma | Location *             | WS            |
| Category  | Supplemental           |              |    | GPS Latitude/Longitude |               |
|   |                        |              |    | Start                  | End           |
| Item  | USACE Erosion Survey   |              |    | 39.157957 °            | 39.158226 °   |
|   |                        |              |    | -122.021950 °          | -122.021950 ° |
| DWR ID  | DWR_MA0001_01_f_2014_3 |              |    |                        |               |
| Action/Comments   |                        |              |    |                        |               |
| Inspector Comments: 2011 - Erosion occurring upstream and downstream of an irrigation diversion structure. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: SYC_9-3_L] |                        |              |    |                        |               |

No Photos

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 5.08                 | Rating **    | M  | Issue No.              | 39            |
| LM End   | 5.08                 | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.264924 °            | 39.264924 °   |
|  |                      |              |    | -122.015887 °          | -122.015887 ° |
| DWR ID   |                      |              |    |                        |               |
| Action/Comments  |                      |              |    |                        |               |
| Inspector Comments: FS_ID:44608<br>DS_ID:16420<br>EP_NO: 4903<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 Suspect that pump on LS is a well pump and has nothing to do with this crossing. Unable to locate siphon breaker, pump on LS; unable to tell if pump system is part of appurtances. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0233 for utility pole and 8 inch steel riser located on landward to 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/18/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 12-inch irrigation pipe through the levee. Siphon breaker in 24-inch CMP riser on the landward shoulder. 3-inch electrical conduit through the levee. (Permit No. 4903,A-1966, Zumwalt)<br>FS Date: 04/22/2015 |                      |              |    |                        |               |

No Photos

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 5.77                      | Rating **    | M  | Issue No.              | 35            |
| LM End   | 5.77                      | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | Vegetation                |              |    | 39.272773 °            | 39.272773 °   |
|  |                           |              |    | -122.023290 °          | -122.023290 ° |
| DWR ID   | DWR_MA0001_01_s _ 2012_35 |              |    |                        |               |
| Action/Comments  |                           |              |    |                        |               |
| Elderberries are blocking visibility and flood fight capability. |                           |              |    |                        |               |

No Photos

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 5.84                 | Rating **    | M  | Issue No.              | 40            |
| LM End  | 5.84                 | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.272069 °            | 39.272069 °   |
|   |                      |              |    | -122.023240 °          | -122.023240 ° |
| DWR ID  |                      |              |    |                        |               |
| Action/Comments   |                      |              |    |                        |               |
| Inspector Comments: FS_ID:44623<br>DS_ID:16419<br>EP_NO: 9476<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 WS entry still blocked and wingwalls still cracked/blocked, no entry on WS. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0247 for u/s and d/s wing wall shows some cracking and tilting 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/18/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal pipe (15 feet long) and concrete box culvert through the levee. (ABO No. 9476-1974, Howard C. & Nadine M. Ohliger)<br>FS Date: 04/22/2015 |                      |              |    |                        |               |

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 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 5.84                 | Rating **    | M  | Issue No.              | 41            |
| LM End   | 5.84                 | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.272069 °            | 39.272069 °   |
|  |                      |              |    | -122.023240 °          | -122.023240 ° |
| DWR ID   |                      |              |    |                        |               |
| Action/Comments  |                      |              |    |                        |               |
| Inspector Comments: FS_ID:44624<br>DS_ID:17569<br>EP_NO: 9476<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 WS entry still blocked and wingwalls still cracked/blocked, no entry on WS. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0247 for u/s and d/s wing wall shows some cracking and tilting 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/18/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal pipe (15 feet long) and concrete box culvert through the levee. Slide gate located on waterward. (ABO No. 9476-1974, Howard C. & Nadine M. Ohliger)<br>FS Date: 04/22/2015 |                      |              |    |                        |               |

No Photos

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | 6.20                    | Rating **    | M  | Issue No.              | 76            |
| LM End          | 6.20                    | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Encroachments           |              |    | 39.278917 °            | 39.278917 °   |
|                 |                         |              |    | -122.022595 °          | -122.022595 ° |
| DWR ID          | DWR_MA0001_01_s_2014_76 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Prunings        |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_MA0001\_297\_76\_20150310\_00016.jpg



View of the prunings along the landside toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | 6.37                    | Rating **    | M  | Issue No.              | 77            |
| LM End          | 6.37                    | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Encroachments           |              |    | 39.281364 °            | 39.281364 °   |
|                 |                         |              |    | -122.022038 °          | -122.022038 ° |
| DWR ID          | DWR_MA0001_01_s_2014_77 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Prunings        |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_MA0001\_297\_77\_20150310\_00017.jpg



View of the prunings along the landside toe.

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 6.37                 | Rating **    | U  | Issue No.              | 42            |
| LM End   | 6.37                 | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.279462 °            | 39.279462 °   |
|  |                      |              |    | -122.022461 °          | -122.022461 ° |
| DWR ID   |                      |              |    |                        |               |
| Action/Comments  |                      |              |    |                        |               |
| Inspector Comments: FS_ID:44628<br>DS_ID:16446<br>EP_NO: 4203<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 5inch pvc is still present blocking slide gate from closing. WS end of pipe has been exposed so there is no way to stop water from flowing through pipe during highwater times. Unauthorized 5 inch PVC pipe running through 36 inch crossing. 5 inch PVC crossing prevents slide gate from closing during high water. Debris and sediment inside riser. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0258 for 5 inch PVC pipe running through culvert 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/23/2014 Same as last inspection. There is no way to stop water from flowing though pipe during high water times. FIELD_STRUCT_DESC: 36-inch pipe through the levee. Slide gate in CMP riser on the waterward slope. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 331+31). FS Date: 04/22/2015 |                      |              |    |                        |               |

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 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 6.54                 | Rating **    | M  | Issue No.              | 43            |
| LM End   | 6.54                 | Issue Type + | En | Location *             | LS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.281721 °            | 39.281721 °   |
|          |                      |              |    | -122.021894 °          | -122.021894 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments  |  |  |  |  |  |
|--|--|--|--|--|--|
| Inspector Comments: FS_ID:44632<br>DS_ID:16425<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 Same as last inspection. Need to be properly abandoned concrete structure; plate covers concrete box; Concrete headwall damaged. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0262 for damage to concrete structure (vertical 2 inch wide cracks and spalling visible).<br>7/18/2013 Same as last inspection.<br>12/17/2013 Same as last inspection.<br>6/23/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: Abandoned 72-inch corrugated metal drain (precast concrete) pipe through the levee, blocked on waterward end with 3-foot concrete plug installed in 1980. Slide gate in concrete well on the landward shoulder. Concrete headwall at both toes. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 339+74)<br>FS Date: 04/22/2015 |  |  |  |  |  |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 7.14                 | Rating **    | U  | Issue No.              | 44            |
| LM End   | 7.14                 | Issue Type + | En | Location *             | LS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.290147 °            | 39.290147 °   |
|          |                      |              |    | -122.021525 °          | -122.021525 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments  |  |  |  |  |  |
|--|--|--|--|--|--|
| Inspector Comments: FS_ID:44644<br>DS_ID:16427<br>EP_NO: 9482<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 Same as last inspection. Structure is still buried. Structure is buried and non-operational. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0288 for sluice gate closed and backfilled on WS and full of sediment with wingwall cracked on LS.<br>5/18/2013 Same as last inspection.<br>12/17/2013 Same as last inspection.<br>6/23/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 1 of 2: 36-inch concrete pipes through the levee. Wooden slide gates on waterward end. Concrete culvert through levee. Sliding metal gate noted in O&M manual. This entry could match the Drainage or Irrigation Structure referenced in the O&M manual (Station 370+90) (USACE-1955)(ABO No. 9482-1974, Elizabeth M. Farnsworth).<br>FS Date: 04/22/2015 |  |  |  |  |  |

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 7.14                 | Rating **    | M  | Issue No.              | 45            |
| LM End   | 7.14                 | Issue Type + | En | Location *             | LS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.290169 °            | 39.290169 °   |
|          |                      |              |    | -122.021532 °          | -122.021532 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments   |  |  |  |  |  |
|---|--|--|--|--|--|
| Inspector Comments: FS_ID:44645<br>DS_ID:17570<br>EP_NO: 9482<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 Structure is operational. WS slide gate was unbrired allowing water to irrigate the fields. It gets reburied during highwater season. Structure is buried and non-operational. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0288 for sluice gate closed and backfilled on WS and full of sediment with wingwall cracked on LS/18/2013 WS screw gate has been cleared of dirt and is open to irrigate LS fields. LS outlet is still mostly blocked by sediment. 2/17/2013 WS screw gate was closed and buried by soil again. 6/23/2014 Same as last inspection. Soil dug out again and water flowing through crossing.<br>FIELD_STRUCT_DESC: 2 of 2: 36-inch concrete pipes through the levee. Wooden slide gates on waterward end. Concrete culvert through levee. Sliding metal gate noted in O&M manual. This entry could match the Drainage or Irrigation Structure referenced in the O&M manual (Station 370+90) (USACE-1955). (ABO No. 9482-1974, Elizabeth M. Farnsworth)<br>FS Date: 04/22/2015 |  |  |  |  |  |

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 7.42                 | Rating **    | M  | Issue No.              | 48            |
| LM End   | 7.42                 | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.294074 °            | 39.294074 °   |
|  |                      |              |    | -122.021435 °          | -122.021435 ° |
| DWR ID   |                      |              |    |                        |               |
| Action/Comments  |                      |              |    |                        |               |
| Inspector Comments: FS_ID:44646<br>DS_ID:16456<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 Same as last inspection. Rebar pin was still in place holding the gate open. Sediment and debris on waterward and landward side. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0293 for wooden slide gate held open by a piece of rebar acting as a pin.<br>7/18/2013 Same as last inspection.<br>12/17/2013 Same as last inspection.<br>6/23/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 5 foot by 6 foot concrete box culvert through the levee and access ramp. Two wooden slide gates on waterward end. Concrete v-ditch along landward toe. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 385+33.5).<br>FS Date: 04/22/2015 |                      |              |    |                        |               |

No Photos

|                             |                           |              |     |                        |               |
|-----------------------------|---------------------------|--------------|-----|------------------------|---------------|
| LM Start                    | 7.51                      | Rating **    | A/W | Issue No.              | 24            |
| LM End                      | 7.80                      | Issue Type + | Ob  | Location *             | WS            |
| Category                    | Earthen Levee             |              |     | GPS Latitude/Longitude |               |
|                             |                           |              |     | Start                  | End           |
| Item                        | Vegetation                |              |     | 39.297533 °            | 39.297420 °   |
|                             |                           |              |     | -122.021779 °          | -122.027010 ° |
| DWR ID                      | DWR_MA0001_01_s _ 2012_24 |              |     |                        |               |
| Action/Comments             |                           |              |     |                        |               |
| Environmental Requirements. |                           |              |     |                        |               |

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 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 7.70                      | Rating **    | M  | Issue No.              | 52            |
| LM End   | 7.70                      | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | Vegetation                |              |    | 39.297303 °            | 39.297303 °   |
|  |                           |              |    | -122.025257 °          | -122.025257 ° |
| DWR ID   | DWR_MA0001_01_s _ 2012_52 |              |    |                        |               |
| Action/Comments  |                           |              |    |                        |               |
| Elderberries are blocking visibility and flood fight capability. |                           |              |    |                        |               |

No Photos

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 7.74                 | Rating **    | M  | Issue No.              | 49            |
| LM End  | 7.74                 | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.297384 °            | 39.297384 °   |
|   |                      |              |    | -122.022989 °          | -122.022989 ° |
| DWR ID  |                      |              |    |                        |               |
| Action/Comments   |                      |              |    |                        |               |
| Inspector Comments: FS_ID:44647<br>DS_ID:16455<br>EP_NO: 12334<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 Same as last inspection<br>Siphon breaker housing unit is bent and has debris inside. LS outlet not found<br>7/18/2013 Same as last inspection<br>12/17/2013 Same as last inspection<br>6/23/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 10-inch steel pipe through levee, 3 feet below the crown. Centrifugal pump on the bank. Siphon breaker on landward shoulder of the levee. (Permit No. 12334-1978, James Jean)<br>FS Date: 04/22/2015 |                      |              |    |                        |               |

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 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|                 |                           |              |    |                        |               |
|-----------------|---------------------------|--------------|----|------------------------|---------------|
| LM Start        | 8.73                      | Rating **    | M  | Issue No.              | 25            |
| LM End          | 9.19                      | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|                 |                           |              |    | Start                  | End           |
| Item            | Encroachments             |              |    | 39.308390 °            | 39.315125 °   |
|                 |                           |              |    | -122.031157 °          | -122.030206 ° |
| DWR ID          | DWR_MA0001_01_s _ 2012_25 |              |    |                        |               |
| Action/Comments |                           |              |    |                        |               |
| Ditch           |                           |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_MA0001\_297\_25\_20150310\_00010.jpg



View of the ag. ditch along the L/S toe.

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 9.11                 | Rating **    | M  | Issue No.              | 51            |
| LM End   | 9.11                 | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.311103 °            | 39.311103 °   |
|  |                      |              |    | -122.030541 °          | -122.030541 ° |
| DWR ID   |                      |              |    |                        |               |
| Action/Comments  |                      |              |    |                        |               |
| Inspector Comments: FS_ID:44648<br>DS_ID:16454<br>EP_NO: 9466<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 Same as last inspection<br>No access to inspect slide gate on LS. Roof of pumping house deteriorating and debris scattered on landward side. WS crossing not found. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_345 no issues recorded 7/18/2013<br>Same as last inspection 12/17/2013 Same as last inspection 6/23/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 24-inch steel pipe through the levee. Slide gate in concrete riser on the landward slope. Pump house encroaches into the landward slope. Two service poles on the landward shoulder. (ABO No. 9466-1974, Roman Catholic Bishop of Sacramento)<br>FS Date: 04/22/2015 |                      |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|                                |                         |              |     |                        |               |
|--------------------------------|-------------------------|--------------|-----|------------------------|---------------|
| LM Start                       | 10.13                   | Rating **    | A/W | Issue No.              | 18            |
| LM End                         | 10.13                   | Issue Type + | En  | Location *             | WS            |
| Category                       | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|                                |                         |              |     | Start                  | End           |
| Item                           | Erosion / Bank Caving   |              |     | 39.328697 °            | 39.328697 °   |
|                                |                         |              |     | -122.029262 °          | -122.029262 ° |
| DWR ID                         | DWR_MA0001_01_s_2012_18 |              |     |                        |               |
| Action/Comments                |                         |              |     |                        |               |
| Note and monitor erosion site. |                         |              |     |                        |               |

Photo 1 of 1 : SP\_2015\_MA0001\_297\_18\_20150310\_00008.jpg



View of the erosion along the waterside of the levee.

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 10.31                | Rating **    | M  | Issue No.              | 53            |
| LM End  | 10.31                | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.328121 °            | 39.328121 °   |
|   |                      |              |    | -122.029262 °          | -122.029262 ° |
| DWR ID  |                      |              |    |                        |               |
| Action/Comments   |                      |              |    |                        |               |
| Inspector Comments: FS_ID:44649   |                      |              |    |                        |               |
| DS_ID:17656   |                      |              |    |                        |               |
| EP_NO: N/A  |                      |              |    |                        |               |
| Repair Type: Non-Urgent   |                      |              |    |                        |               |
| Crossing Status: Not Found  |                      |              |    |                        |               |
| UCIP Comments: 4/20/2015 Unable to locate 7/18/2013 Same as last inspection. Unable to locate 6/23/2014 Unable to locate.           |                      |              |    |                        |               |
| FIELD_STRUCT_DESC: 24 inch steel pipe through the levee at an unknown depth. Automatic drainage gate on the outlet end of the pipe. |                      |              |    |                        |               |
| This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 538+42). (USACE, 1955)                   |                      |              |    |                        |               |
| FS Date: 04/22/2015   |                      |              |    |                        |               |

No Photos

|  |  |  |  |  |  |
|--|--|--|--|--|--|
| * Location<br>LS : Land Side N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<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 |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|--|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 10.31                | Rating **    | M  | Issue No.              | 54            |
| LM End   | 10.31                | Issue Type + | En | Location *             | WS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.328121 °            | 39.328121 °   |
|          |                      |              |    | -122.029262 °          | -122.029262 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments   |  |  |  |  |  |
|---|--|--|--|--|--|
| Inspector Comments: FS_ID:44650<br>DS_ID:17655<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Not Found<br>UCIP Comments: 4/20/2015 Unable to locate 7/18/2013 Same as last inspection. Unable to locate 12/17/2013 Unable to locate 6/23/2014 Unable to locate.<br>FIELD_STRUCT_DESC: 36 inch corrugated metal pipe through the levee at an unknown depth. Slide gate on the outlet end of the pipe.<br>This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 538+42). (USACE, 1955)<br>FS Date: 04/22/2015 |  |  |  |  |  |

|                 |                          |              |    |                        |               |
|-----------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start        | 10.32                    | Rating **    | M  | Issue No.              | 636           |
| LM End          | 10.32                    | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                 |                          |              |    | Start                  | End           |
| Item            | Encroachments            |              |    | 39.331320 °            | 39.331320 °   |
|                 |                          |              |    | -122.029932 °          | -122.029932 ° |
| DWR ID          | DWR_MA0001_01_f_2014_636 |              |    |                        |               |
| Action/Comments |                          |              |    |                        |               |
| Prunings        |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_MA0001\_297\_636\_20150310\_00018.jpg



View of the pruning along the landside toe.

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 10.43                | Rating **    | U  | Issue No.              | 55            |
| LM End  | 10.43                | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.329750 °            | 39.329750 °   |
|   |                      |              |    | -122.029602 °          | -122.029602 ° |
| DWR ID  |                      |              |    |                        |               |
| Action/Comments   |                      |              |    |                        |               |
| Inspector Comments: FS_ID:44663<br>DS_ID:17571<br>EP_NO: 1800<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 Erosion happening on WS shoulder near where pipes enter the levee. May just be from rain runoff this crossing has been completely modified--need recent permit issued to allow work on levee and levee toe. Was levee compacted to CVFPB standards? This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0371 unable to determine why this crossing was assigned "U7/18/2013 Same as last inspection12/17/2013 Same as last inspection6/23/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 2 of 2: 14-inch steel pipes through levee. Siphon breakers on the waterward end. (Permit No. 1800-1959, Jimeno Rancho)<br>FS Date: 04/22/2015 |                      |              |    |                        |               |

No Photos

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 10.43                | Rating **    | U  | Issue No.              | 56            |
| LM End  | 10.43                | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.329750 °            | 39.329750 °   |
|   |                      |              |    | -122.029602 °          | -122.029602 ° |
| DWR ID  |                      |              |    |                        |               |
| Action/Comments   |                      |              |    |                        |               |
| Inspector Comments: FS_ID:44652<br>DS_ID:16452<br>EP_NO: 1800<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 Erosion happening near WS shoulder where the pipes enter the levee. May just be caused by rain runoff this crossing has been completely modified--need recent permit issued to allow work on levee and levee toe. Was levee compacted to CVFPB standards? This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0371 unable to determine why this crossing was assigned "U7/18/2013 Same as last inspection12/17/2013 Same as last inspection6/23/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 1 of 2: 14-inch steel pipes through levee. Siphon breakers on the waterward end. (Permit No. 1800-1959, Jimeno Rancho)<br>FS Date: 04/22/2015 |                      |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 10.43                | Rating **    | U  | Issue No.              | 57            |
| LM End   | 10.43                | Issue Type + | En | Location *             | LS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.329749 °            | 39.329749 °   |
|          |                      |              |    | -122.029602 °          | -122.029602 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments  |  |  |  |  |  |
|--|--|--|--|--|--|
| Inspector Comments: FS_ID:44651<br>DS_ID:16453<br>EP_NO: N/A<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/20/2015 Erosion happening near WS shoulder where the pipes enter the levee. May just be caused by rain runoff. Landward side has been completely altered. Need to find permit for new work. 12/17/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 24-inch steel pipe through levee. Gate valve on the waterward end. (USACE, 1955) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (538+42).<br>FS Date: 04/22/2015 |  |  |  |  |  |

|          |                          |              |    |                        |               |
|----------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.78                    | Rating **    | M  | Issue No.              | 637           |
| LM End   | 10.78                    | Issue Type + | En | Location *             | LS            |
| Category | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|          |                          |              |    | Start                  | End           |
| Item     | Encroachments            |              |    | 39.337523 °            | 39.337523 °   |
|          |                          |              |    | -122.032437 °          | -122.032437 ° |
| DWR ID   | DWR MA0001 01 f 2014 637 |              |    |                        |               |

| Action/Comments |  |  |  |  |  |
|-----------------|--|--|--|--|--|
| Prunings        |  |  |  |  |  |

Photo 1 of 1 : SP\_2015\_MA0001\_297\_637\_20150310\_00019.jpg



View of the pruning along the landside toe.

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|                 |                          |              |    |                        |               |
|-----------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start        | 10.96                    | Rating **    | M  | Issue No.              | 638           |
| LM End          | 10.96                    | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                 |                          |              |    | Start                  | End           |
| Item            | Encroachments            |              |    | 39.340217 °            | 39.340217 °   |
|                 |                          |              |    | -122.032605 °          | -122.032605 ° |
| DWR ID          | DWR_MA0001_01_f_2014_638 |              |    |                        |               |
| Action/Comments |                          |              |    |                        |               |
| Prunings        |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_MA0001\_297\_638\_20150310\_00020.jpg



View of the pruning along the landside toe.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 11.01                   | Rating **    | M  | Issue No.              | 12            |
| LM End   | 11.01                   | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 39.340774 °            | 39.340774 °   |
|  |                         |              |    | -122.032872 °          | -122.032872 ° |
| DWR ID   | DWR_MA0001_01_s_2012_12 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| Elderberries are blocking visibility and flood fight capability. |                         |              |    |                        |               |

No Photos

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | 11.21                   | Rating **    | M  | Issue No.              | 27            |
| LM End          | 11.46                   | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Encroachments           |              |    | 39.343542 °            | 39.347185 °   |
|                 |                         |              |    | -122.032107 °          | -122.031525 ° |
| DWR ID          | DWR_MA0001_01_s_2012_27 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Ditch           |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_MA0001\_297\_27\_20150310\_00012.jpg



View of the ag. ditch along the L/S toe.

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 11.25                | Rating **    | M  | Issue No.              | 58            |
| LM End   | 11.25                | Issue Type + | En | Location *             | LS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.340867 °            | 39.340867 °   |
|          |                      |              |    | -122.032932 °          | -122.032932 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments  |  |  |  |  |  |
|--|--|--|--|--|--|
| Inspector Comments: FS_ID:44665<br>DS_ID:16449<br>EP_NO: 187<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/21/2015 Same as last inspection<br>Need to determine if structure is still in use--contact owner. If abandoned structure--structure needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspections as ID#<br>USACE_CESPK_MA1C_2010_p_0393 missing gate<br>7/18/2013 Same as last inspection<br>12/17/2013 Same as last inspection<br>6/23/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 1 of 2: 52-inch CMP through levee. Slide gate on waterward side and flap gate on landward side. Concrete headwalls at both sides. This structure is associated with another abandoned structure located on waterward side. Abandoned structure includes pump house, multiple concrete walls, and 3 additional crossings (2-30 inch pipes and 1-48 inch pipe). (Permit No. 187-1921, Compton-Delevan Irrigation District-Maxwell I.D.)<br>FS Date: 04/22/2015 |  |  |  |  |  |

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 11.26                | Rating **    | U  | Issue No.              | 59            |
| LM End   | 11.26                | Issue Type + | En | Location *             | LS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.340971 °            | 39.340971 °   |
|          |                      |              |    | -122.032957 °          | -122.032957 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments   |  |  |  |  |  |
|---|--|--|--|--|--|
| Inspector Comments: FS_ID:44666<br>DS_ID:17572<br>EP_NO: 187<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/21/2015 Same as last inspection Missing positive closure device. Need to determine if structure is still in use--contact owner. If abandoned structure--structure needs to be abandoned. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0393 missing gate 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/23/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 2 of 2: 52-inch CMP through levee. Slide gate on waterward side and flap gate on landward side. Concrete headwalls at both sides. This structure is associated with another abandoned structure located on waterward side. Abandoned structure includes pump house, multiple concrete walls, and 3 additional crossings (2-30 inch pipes and 1-48 inch pipe). (Permit No. 187-1921, Compton-Delevan Irrigation District-Maxwell I.D.)<br>FS Date: 04/22/2015 |  |  |  |  |  |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 11.43                | Rating **    | U  | Issue No.              | 60            |
| LM End   | 11.43                | Issue Type + | En | Location *             | LS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.343283 °            | 39.343283 °   |
|          |                      |              |    | -122.032145 °          | -122.032145 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments  |  |  |  |  |  |
|--|--|--|--|--|--|
| Inspector Comments: FS_ID:44668<br>DS_ID:17624<br>EP_NO: 17471<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/21/2015 Sink hole still present between riser & erosion between risers with slide gates located on waterward side; This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0398 for possible sinkhole between access gate structure 3/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/23/2014 Standing water was present in the bottom of the sinkhole.<br>FIELD_STRUCT_DESC: 1 of 2: 18 inch diameter HDPE discharge pipes to be connected to the existing standpipe risers within the waterside and parallel to the right (west) bank levee of Sacramento River. Pump station is located approximately 450 feet upstream of crossing. (Permit 17471-2002, Maxwell Irrigation District)<br>FS Date: 04/22/2015 |  |  |  |  |  |

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 11.43                | Rating **    | U  | Issue No.              | 61            |
| LM End   | 11.43                | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.343263 °            | 39.343263 °   |
|  |                      |              |    | -122.032152 °          | -122.032152 ° |
| DWR ID   |                      |              |    |                        |               |
| Action/Comments  |                      |              |    |                        |               |
| Inspector Comments: FS_ID:44669<br>DS_ID:17691<br>EP_NO: 17471<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/21/2015 Sink hole still present between riser<br>Erosion between risers with slide gates located on waterward side; This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0398 for possible sinkhole between access gate structure 7/18/2013 Same as last inspection 12/17/2013 Same as last inspection 6/23/2014 Standing water was present in the bottom of the sinkhole.<br>FIELD_STRUCT_DESC: 2 of 2: 24 inch diameter HDPE discharge pipes to be connected to the existing standpipe risers within the waterside and parallel to the right (west) bank levee of Sacramento River. (Permit 17471-2002, Maxwell Irrigation District)<br>FS Date: 04/22/2015 |                      |              |    |                        |               |

No Photos

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 11.51                | Rating **    | M  | Issue No.              | 62            |
| LM End   | 11.51                | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.344376 °            | 39.344376 °   |
|  |                      |              |    | -122.031792 °          | -122.031792 ° |
| DWR ID   |                      |              |    |                        |               |
| Action/Comments  |                      |              |    |                        |               |
| Inspector Comments: FS_ID:44686<br>DS_ID:20582<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/21/2015 Same as last inspection<br>Need to determine encroachment permit associated with this crossing<br>7/22/2013 Same as last inspection<br>12/17/2013 Same as last inspection<br>6/23/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 1 of 3: 24 inch discharge pipe through levee.<br>Crossing is tied to existing Maxwell Irrigation District Pump Station located on waterward side. Siphon breaker inside CMP riser located on landward shoulder.<br>FS Date: 04/22/2015 |                      |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 11.51                | Rating **    | M  | Issue No.              | 63            |
| LM End   | 11.51                | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.344390 °            | 39.344390 °   |
|  |                      |              |    | -122.031787 °          | -122.031787 ° |
| DWR ID   |                      |              |    |                        |               |
| Action/Comments  |                      |              |    |                        |               |
| Inspector Comments: FS_ID:44687<br>DS_ID:20583<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/21/2015 Same as last inspection<br>Need to determine encroachment permit for this crossing<br>7/22/2013 Same as last inspection<br>12/17/2013 Same as last inspection<br>6/23/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 2 of 3: 24 inch discharge pipe through levee.<br>Crossing is tied to existing Maxwell Irrigation District Pump Station located on waterward side. Siphon breaker inside CMP riser located on landward shoulder.<br>FS Date: 04/22/2015 |                      |              |    |                        |               |

No Photos

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 11.51                | Rating **    | M  | Issue No.              | 64            |
| LM End   | 11.51                | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.344400 °            | 39.344400 °   |
|  |                      |              |    | -122.031785 °          | -122.031785 ° |
| DWR ID   |                      |              |    |                        |               |
| Action/Comments  |                      |              |    |                        |               |
| Inspector Comments: FS_ID:44689<br>DS_ID:20584<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/21/2015 Same as last inspection<br>Need to determine encroachment permit for this crossing<br>7/22/2013 Same as last inspection<br>12/17/2013 Same as last inspection<br>6/23/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 3 of 3: 24 inch discharge pipe through levee.<br>Crossing is tied to existing Maxwell Irrigation District Pump Station located on waterward side. Siphon breaker inside CMP riser located on landward shoulder.<br>FS Date: 04/22/2015 |                      |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|                 |                           |              |    |                        |               |
|-----------------|---------------------------|--------------|----|------------------------|---------------|
| LM Start        | 11.74                     | Rating **    | M  | Issue No.              | 23            |
| LM End          | 11.79                     | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|                 |                           |              |    | Start                  | End           |
| Item            | Vegetation                |              |    | 39.351155 °            | 39.351832 °   |
|                 |                           |              |    | -122.030443 °          | -122.030295 ° |
| DWR ID          | DWR_MA0001_01_s _ 2012_23 |              |    |                        |               |
| Action/Comments |                           |              |    |                        |               |
| Landscaping     |                           |              |    |                        |               |

No Photos

|                 |                          |              |    |                        |               |
|-----------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start        | 12.06                    | Rating **    | M  | Issue No.              | 4             |
| LM End          | 13.10                    | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                 |                          |              |    | Start                  | End           |
| Item            | Encroachments            |              |    | 39.355607 °            | 39.362600 °   |
|                 |                          |              |    | -122.028707 °          | -122.014497 ° |
| DWR ID          | DWR_MA0001_01_s _ 2012_4 |              |    |                        |               |
| Action/Comments |                          |              |    |                        |               |
| Ditch           |                          |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 12.32                | Rating **    | M  | Issue No.              | 65            |
| LM End   | 12.32                | Issue Type + | En | Location *             | LS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.355516 °            | 39.355516 °   |
|          |                      |              |    | -122.028700 °          | -122.028700 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments  |  |  |  |  |  |
|--|--|--|--|--|--|
| Inspector Comments: FS_ID:44690<br>DS_ID:16457<br>EP_NO: 13449<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/21/2015 Same as last inspection11/2012 Buried line. No markers found; Need to contact PG&E to determine if crossing is still present2/2012 According to PG&E, their records indicate that pipe segment has been retired per dwgs. PG&E is finding additional information to confirm if crossing has been retired and method of retirement. Waiting for clarification from PG&E2/2013 Same as last inspection12/17/2013 Same as last inspection6/23/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 4-inch gas pipeline through levee, 30-inches below crown. PG&E crossing is known as reference no. 167-6-13. (Permit No. 13449-1983, PG&E) Emergency contact Mr. Monte Penland, Gas Maintenance Supervisor, 15871 Central Street, Meridian, CA 95957; Office No. 530-634-6520 or Mobile No. 530-356-7396.<br>Coordinates are approximate,<br>FS Date: 04/22/2015 |  |  |  |  |  |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 12.96                | Rating **    | M  | Issue No.              | 66            |
| LM End   | 12.96                | Issue Type + | En | Location *             | LS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.359843 °            | 39.359843 °   |
|          |                      |              |    | -122.019529 °          | -122.019529 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments  |  |  |  |  |  |
|--|--|--|--|--|--|
| Inspector Comments: FS_ID:44694<br>DS_ID:16445<br>EP_NO: 9462<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/21/2015 Same as last inspectionSlide gate unoperable-blocked by sediment. LS-flap gate missing. 5-inch pipe goes through 24-inch crossing--unable to determine is authorized. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0435 for smaller pipe running inside existing crossing7/22/2013 Same as last inspection12/17/2013 Same as last inspection6/23/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee. Slide gate on both ends. (ABO No. 9462-1974, Thousand Acre Ranch)<br>FS Date: 04/22/2015 |  |  |  |  |  |

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 13.76                | Rating **    | U  | Issue No.              | 67            |
| LM End   | 13.76                | Issue Type + | En | Location *             | LS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.367643 °            | 39.367643 °   |
|          |                      |              |    | -122.015212 °          | -122.015212 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments   |  |  |  |  |  |
|---|--|--|--|--|--|
| Inspector Comments: FS_ID:44700<br>DS_ID:16443<br>EP_NO: 9461<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/21/2015 Same as last inspection. Unable to close positive closure device due to missing ladder-slucce gate inaccessible. Need to determine the condition of the gate. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0453 for an inaccessible gate box with its ladder broken on the waterward side. 7/22/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 36 inch corrugated metal pipe through levee, 21.5 feet below crown. Slide gate in concrete box on waterward end. Pump on the bank. (ABO No. 9461-1974, Annie D. Propfe) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 710+82).<br>FS Date: 04/22/2015 |  |  |  |  |  |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 14.08                | Rating **    | M  | Issue No.              | 68            |
| LM End   | 14.08                | Issue Type + | En | Location *             | LS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.371934 °            | 39.371934 °   |
|          |                      |              |    | -122.012945 °          | -122.012945 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments  |  |  |  |  |  |
|--|--|--|--|--|--|
| Inspector Comments: FS_ID:44709<br>DS_ID:16442<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/21/2015 Slide gate is still buried. Slide gate is buried-non-fuctional. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0457 for buried slide gate. 7/22/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: Abandoned 36-inch corrugated metal pipe through levee. Slide gate on waterward end. (Davis Ranches)<br>FS Date: 04/22/2015 |  |  |  |  |  |

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 14.59                | Rating **    | M  | Issue No.              | 69            |
| LM End  | 14.59                | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.378568 °            | 39.378568 °   |
|   |                      |              |    | -122.013262 °          | -122.013262 ° |
| DWR ID  |                      |              |    |                        |               |
| Action/Comments   |                      |              |    |                        |               |
| Inspector Comments: FS_ID:44714<br>DS_ID:16441<br>EP_NO: 9460<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/21/2015 Same as last inspection Need to determine if crossing is still being used there are some abandoned features that remain at this crossing--crossing has been modified. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0464 for abandoned pump station 7/22/2013 Same as last inspection 12/17/2013 Same as last inspection 6/23/2014 Same as last inspection.<br>FIELD_STRUCT_DESC: 18-inch steel pipe through levee. Gate valve on the waterward end. Pump house on the waterward berm. Concrete distribution box and flap gate at the landward toe. (ABO No. 9460-1974, Morici Corporation)<br>FS Date: 04/22/2015 |                      |              |    |                        |               |

No Photos

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | 16.08                   | Rating **    | U  | Issue No.              | 14            |
| LM End          | 16.08                   | Issue Type + | En | Location *             | WS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Encroachments           |              |    | 39.403930 °            | 39.403930 °   |
|                 |                         |              |    | -122.008925 °          | -122.008925 ° |
| DWR ID          | DWR_MA0001_01_s_2012_14 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Building        |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_MA0001\_297\_14\_20150310\_00007.jpg



View of the building on 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<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 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | 16.10                   | Rating **    | U  | Issue No.              | 26            |
| LM End          | 16.10                   | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Encroachments           |              |    | 39.404135 °            | 39.404135 °   |
|                 |                         |              |    | -122.008797 °          | -122.008797 ° |
| DWR ID          | DWR_MA0001_01_s_2012_26 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Building        |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_MA0001\_297\_26\_20150310\_00011.jpg



View of the building on the landside slope.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 16.10                   | Rating **    | M  | Issue No.              | 74            |
| LM End  | 16.10                   | Issue Type + | En | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Encroachments           |              |    | 39.404255 °            | 39.404255 °   |
|   |                         |              |    | -122.008842 °          | -122.008842 ° |
| DWR ID  | DWR_MA0001_01_s_2015_74 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Landscape Irrigation  |                         |              |    |                        |               |
| Inspector Comments: Remove the landscape from the landside slope and toe. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_MA0001\_297\_74\_20150406\_00023.jpg



View of the landscape along the landside slope and toe.

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | 16.30                   | Rating **    | M  | Issue No.              | 15            |
| LM End          | 16.32                   | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Encroachments           |              |    | 39.407066 °            | 39.407363 °   |
|                 |                         |              |    | -122.008730 °          | -122.008780 ° |
| DWR ID          | DWR_MA0001_01_s_2012_15 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Building        |                         |              |    |                        |               |

No Photos

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | 16.31                   | Rating **    | U  | Issue No.              | 46            |
| LM End          | 16.33                   | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Encroachments           |              |    | 39.407225 °            | 39.407545 °   |
|                 |                         |              |    | -122.008570 °          | -122.008640 ° |
| DWR ID          | DWR_MA0001_01_s_2012_46 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Building        |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_MA0001\_297\_46\_20150310\_00013.jpg



View of the building along the landside toe.

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | 16.34                   | Rating **    | U  | Issue No.              | 47            |
| LM End          | 16.35                   | Issue Type + | En | Location *             | LS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Encroachments           |              |    | 39.407670 °            | 39.407823 °   |
|                 |                         |              |    | -122.008685 °          | -122.008740 ° |
| DWR ID          | DWR_MA0001_01_s_2012_47 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Fence           |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_MA0001\_297\_47\_20150310\_00014.jpg



View of the fence along the landside toe.

|   |                        |              |    |                        |               |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start  | 16.35                  | Rating **    | M  | Issue No.              | 1             |
| LM End  | 16.58                  | Issue Type + | Ma | Location *             | WS            |
| Category  | Supplemental           |              |    | GPS Latitude/Longitude |               |
|   |                        |              |    | Start                  | End           |
| Item  | USACE Erosion Survey   |              |    | 39.407837 °            | 39.411111 °   |
|   |                        |              |    | -122.008763 °          | -122.009238 ° |
| DWR ID  | DWR_MA0001_01_f_2014_1 |              |    |                        |               |
| Action/Comments   |                        |              |    |                        |               |
| Inspector Comments: Erosion site added in 1997 and removed in 2005. 2009 - Site added back in, hard toe with slow moving erosion. Potential geotechnical failure. 2011 - Site extended downstream. 2013: No observed changes. [2013 Site ID: SAC_164-3_R] |                        |              |    |                        |               |

Photo 1 of 2 : SP\_2015\_MA0001\_297\_1\_20150310\_00001.jpg



USACE 2013 Photo #1

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|   |                        |              |    |                        |               |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start  | 16.35                  | Rating **    | M  | Issue No.              | 1 (cont)      |
| LM End  | 16.58                  | Issue Type + | Ma | Location *             | WS            |
| Category  | Supplemental           |              |    | GPS Latitude/Longitude |               |
|   |                        |              |    | Start                  | End           |
| Item  | USACE Erosion Survey   |              |    | 39.407837 °            | 39.411111 °   |
|   |                        |              |    | -122.008763 °          | -122.009238 ° |
| DWR ID  | DWR_MA0001_01_f_2014_1 |              |    |                        |               |
| Action/Comments   |                        |              |    |                        |               |
| Inspector Comments: Erosion site added in 1997 and removed in 2005. 2009 - Site added back in, hard toe with slow moving erosion. Potential geotechnical failure. 2011 - Site extended downstream. 2013: No observed changes. [2013 Site ID: SAC_164-3_R] |                        |              |    |                        |               |

Photo 2 of 2 : SP\_2015\_MA0001\_297\_1\_20150310\_00002.jpg



USACE 2013 Photo #2

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 16.85                | Rating **    | M  | Issue No.              | 70            |
| LM End  | 16.85                | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.409758 °            | 39.409758 °   |
|   |                      |              |    | -122.009562 °          | -122.009562 ° |
| DWR ID  |                      |              |    |                        |               |
| Action/Comments   |                      |              |    |                        |               |
| Inspector Comments: FS_ID:44717<br>DS_ID:16438<br>EP_NO: 2189<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/21/2015 Same as last inspection11/3/2014 (DWR-Olivia) Need to contact owner to determine when markers will be placed. Also need to determine additional details--depth and alignment2/17/2013 Same as last inspection6/23/2014 Same as last inspection7/22/2013 Same as last inspection12/2012 Crossing is an active line. Waiting for additional information from PG&E1/2012 Buried line--no markers visible. Olivia (UCIP team) is coordinating with PG&E to determine more info on crossing. FIELD_STRUCT_DESC: 2-inch gas line along landward toe from 12-inch gas line at levee mile 16.85 to the Princeton Rice Dryer. 2-inch pipeline installed longitudinally on the levee parallel to HWY 45 in a northerly direction from the point where the 2-10-inch pipes were installed in the levee. (Permit No. 2189-1958, PG&E) Emergency contact Mr. Monte Penland, Gas Maintenance Supervisor, 15871 Central Street, Meridian, CA 95957; Office No. 530-634-6520 or Mobile No. 530-356-7396. Utility crossing coordinates are approximate. FS Date: 04/22/2015 |                      |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Maintenance Area 0001**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|------------------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Sacramento River | Right | 16.76      | 03/13/2015<br>03/13/2015 | Bob Duffey |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 16.91                | Rating **    | M  | Issue No.              | 71            |
| LM End   | 16.91                | Issue Type + | En | Location *             | WS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.410645 °            | 39.410645 °   |
|          |                      |              |    | -122.009705 °          | -122.009705 ° |
| DWR ID   |                      |              |    |                        |               |

No Photos

| Action/Comments   |  |  |  |  |  |
|---|--|--|--|--|--|
| Inspector Comments: FS_ID:44719<br>DS_ID:16448<br>EP_NO: 14424<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 4/21/2015 Same as last inspection11/3/2014 (DWR-Olivia) Need to contact owner to determine when markers will be placed6/23/2014 Same as last inspection12/17/2013 Same as last inspection7/22/2013 Same as last inspection11/2012 Utility warning sign damaged. Olivia (UCIP team) is coordinating with PG&E to determine more info on crossing. 12/2012 Waiting for information regarding crossing from PG&E. Regarding damage warning sign-- PG&E has initiated a project to replace pipeline crossing sign and utility markers, as required by DOT codes/regulations.<br>FIELD_STRUCT_DESC: 12-inch gas pipeline through levee, 30-inches below crown. This 12-inch replacement pipe was installed by horizontally directionally drilling under the State HWY. Crossing is cathodically protected against external corrosion. (Permit No. 14424-1988, PG&E) Emergency contact Monte Penland, Gas Maintenance Supervisor, 15871 Central Street, Meridian, CA 95957; Office No. 530-634-6520 or Mobile No. 530-356-7396. Utility crossing coordinates are approximate. This pipe is under pressure and cathodic protection (CP) readings are taken on a regular schedule.<br>FS Date: 04/22/2015 |  |  |  |  |  |

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