

**Flood Control Project Maintenance  
Levee Inspections  
LMA District Cover Sheet**

**Brannan Andrus Levee Maintenance District**

|                                  | 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**

**Brannan Andrus Levee Maintenance District**

| Waterway                               |                         |                           | Bank                           | Unit Miles                      |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 01 Georgiana Slough           |                         |                           | Right                          | 6.01                            |
|  | 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                     | 5/9/2023 - 5/9/2023     |                           |                                |                                 |
| DWR Inspector                          | Saskia Donovan          |                           |                                |                                 |
| Accompanied By                         |                         |                           |                                |                                 |

**Summer & Winter Inspections**

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|  |                               |              |    |                        |     |
|--|-------------------------------|--------------|----|------------------------|-----|
| LM Start   |                               | Rating **    | A  | Issue No.              | 27  |
| LM End   |                               | Issue Type + | Ma | Location *             | N/A |
| Category   | Earthen Levee                 |              |    | GPS Latitude/Longitude |     |
|  |                               |              |    | Start                  | End |
| Item   | Flood Preparedness & Training |              |    |                        | °   |
|  |                               |              |    |                        | °   |
| DWR ID   | DWR_NA0002_01_s_2012_27       |              |    |                        |     |
| Comment Code                                     |                               |              |    |                        |     |
| FP : Flood Preparedness & Training               |                               |              |    |                        |     |
| Inspector Comment                                |                               |              |    |                        |     |
| LMA is prepared to respond to a flood emergency. |                               |              |    |                        |     |

No Photos

|  |                                  |              |    |                        |     |
|--|----------------------------------|--------------|----|------------------------|-----|
| LM Start   |                                  | Rating **    | A  | Issue No.              | 32  |
| LM End   |                                  | Issue Type + | Ma | Location *             | N/A |
| Category   | Earthen Levee                    |              |    | GPS Latitude/Longitude |     |
|  |                                  |              |    | Start                  | End |
| Item   | Operations & Maintenance Manuals |              |    |                        | °   |
|  |                                  |              |    |                        | °   |
| DWR ID   | DWR_NA0002_01_s_2013_32          |              |    |                        |     |
| Comment Code   |                                  |              |    |                        |     |
| OM : O&M Manuals   |                                  |              |    |                        |     |
| Inspector Comment  |                                  |              |    |                        |     |
| The LMA maintains a copy of the O&M manual on file at district office. |                                  |              |    |                        |     |

No Photos

|  |                                |              |    |                        |     |
|--|--------------------------------|--------------|----|------------------------|-----|
| LM Start   |                                | Rating **    | A  | Issue No.              | 33  |
| LM End   |                                | Issue Type + | Ma | Location *             | N/A |
| Category   | Earthen Levee                  |              |    | GPS Latitude/Longitude |     |
|  |                                |              |    | Start                  | End |
| Item   | Emergency Supplies & Equipment |              |    |                        | °   |
|  |                                |              |    |                        | °   |
| DWR ID   | DWR_NA0002_01_s_2013_33        |              |    |                        |     |
| Comment Code   |                                |              |    |                        |     |
| ES : Emergency Supplies & Equipment  |                                |              |    |                        |     |
| Inspector Comment  |                                |              |    |                        |     |
| LMA maintains an adequate amount of flood fight supplies and equipment for flood response. |                                |              |    |                        |     |

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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|   |                      |              |    |                        |              |
|---|----------------------|--------------|----|------------------------|--------------|
| LM Start  | 0.09                 | Rating **    | M  | Issue No.              | 2            |
| LM End  | 0.09                 | Issue Type + | En | Location *             |              |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |              |
|   |                      |              |    | Start                  | End          |
| Item  | DWR UCIP Field Study |              |    | 38.185994°             | 38.185994°   |
|   |                      |              |    | -121.564101°           | -121.564101° |
| DWR ID  | 21821                |              |    |                        |              |
| Comment Code  |                      |              |    |                        |              |
|   |                      |              |    |                        |              |
| Inspector Comment   |                      |              |    |                        |              |
| DS_ID:21821<br>FS_ID:62290<br>EP_NO: 11229<br>Repair Type: Non-Urgent<br>EVAL Issue: 4b, Safety Issue<br>Crossing Status: Found<br>UCIP Comments: 06/22/2020 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. Recommend owner to restore top cover grate of concrete standpipe and CMP riser to eliminate fall hazard. (O.Yakimov - DWR UCIP)<br>FIELD_STRUCT_DESC: 12-inch steel irrigation siphon pipe through the levee, 4 feet below the crown. Siphon breaker in 10-inch high-density polyethylene riser unit on the landside (LS) shoulder. 1-inch air and vacuum valve. 36-inch diameter concrete distribution standpipe on the LS toe. (12-inch pipe [HLM 0.07] authorized under Automatic Board Order (ABO) issued as Permit No. 11229, 1975 - Paul and Gladys Bettencourt). [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.07). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 316+00), listed as 12-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 8, Station 316+00, March 1950].<br>FS Date: 6/22/2020 9:51:25 AM |                      |              |    |                        |              |

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>0.09</b> | Rating **    | M  | Issue No.  | <b>2 (cont)</b> |
| LM End   | <b>0.09</b> | Issue Type + | En | Location * |                 |

Photo 1 of 3 : UCIP\_SP\_2023\_62290\_89869.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_SP\_2023\_62290\_89875.jpg



Water-Side: View of levee slope looking from crown

|  |   |  |  |
|--|---|--|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|          |                      |              |    |                        |              |  |
|----------|----------------------|--------------|----|------------------------|--------------|--|
| LM Start | 0.09                 | Rating **    | M  | Issue No.              | 2 (cont)     |  |
| LM End   | 0.09                 | Issue Type + | En | Location *             |              |  |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |              |  |
|          |                      |              |    | Start                  | End          |  |
| Item     | DWR UCIP Field Study |              |    | 38.185994°             | 38.185994°   |  |
|          |                      |              |    | -121.564101°           | -121.564101° |  |
| DWR ID   | 21821                |              |    |                        |              |  |

Photo 3 of 3 : UCIP\_SP\_2023\_62290\_89872.jpg



Land-Side: View of levee slope looking from crown

|  |  |   |   |
|--|--|---|---|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|          |                      |              |    |                        |              |
|----------|----------------------|--------------|----|------------------------|--------------|
| LM Start | 0.75                 | Rating **    | U  | Issue No.              | 6            |
| LM End   | 0.75                 | Issue Type + | En | Location *             |              |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |              |
|          |                      |              |    | Start                  | End          |
| Item     | DWR UCIP Field Study |              |    | 38.182212°             | 38.182212°   |
|          |                      |              |    | -121.574987°           | -121.574987° |
| DWR ID   | 21753                |              |    |                        |              |

**Comment Code**

**Inspector Comment**

DS\_ID:21753  
FS\_ID:62296  
EP\_NO: 11232  
Repair Type: Urgent  
EVAL Issue: 2b, Levee Integrity  
Crossing Status: Found  
UCIP Comments: 06/22/2020 Record updated from Non-Urgent to Urgent. Sinkhole in the center of crown measures 8-inch in diameter and 2-feet in depth. Damaged siphon breaker pipe on landside shoulder. Vegetation on waterside limits levee inspection at this crossing. Geophysical study indicates possible presence of pipe through levee. Owner needs to coordinate with the CVFPB to remove or abandon crossing according to Title 23 requirements. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)  
05/16/2013 Unable to locate any appurtenances other than distribution box. Need to verify proper abandonment.  
FIELD\_STRUCT\_DESC: 12-inch steel irrigation pipe through the levee, 3.2 feet below the crown. Siphon breaker on the landside (LS) slope. Concrete distribution box located LS of the toe. 2-inch primer valve. (12-inch pipe [HLM 0.75] authorized under Automatic Board Order (ABO) issued as Permit No. 11232, 1975 - Mario Campi). [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.70). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 279+70), listed as 12-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 7, Station 279+70, March 1950].  
FS Date: 6/22/2020 1:33:36 PM

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>0.75</b> | Rating **    | U  | Issue No.  | <b>6 (cont)</b> |
| LM End   | <b>0.75</b> | Issue Type + | En | Location * |                 |

Photo 1 of 3 : UCIP\_SP\_2023\_62296\_89899.jpg



Top of Levee: View of sinkhole in the center of crown

Photo 2 of 3 : UCIP\_SP\_2023\_62296\_89901.jpg



Land-Side: Damaged siphon breaker pipe on levee shoulder

| * 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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|          |                      |              |                        |              |                 |
|----------|----------------------|--------------|------------------------|--------------|-----------------|
| LM Start | <b>0.75</b>          | Rating **    | U                      | Issue No.    | <b>6 (cont)</b> |
| LM End   | <b>0.75</b>          | Issue Type + | En                     | Location *   |                 |
| Category | Supplemental         |              | GPS Latitude/Longitude |              |                 |
|          |                      |              | Start                  | End          |                 |
| Item     | DWR UCIP Field Study |              | 38.182212°             | 38.182212°   |                 |
|          |                      |              | -121.574987°           | -121.574987° |                 |
| DWR ID   | 21753                |              |                        |              |                 |

Photo 3 of 3 : UCIP\_SP\_2023\_62296\_89903.jpg



Land-Side: Silt in the bottom of CB is present inside of concrete box. Silt in the bottom of CB is present

|   |                          |              |    |                        |              |
|---|--------------------------|--------------|----|------------------------|--------------|
| LM Start  | 0.81                     | Rating **    | M  | Issue No.              | 133          |
| LM End  | 0.83                     | Issue Type + | Ma | Location *             | LS           |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|   |                          |              |    | Start                  | End          |
| Item  | Animal Control           |              |    | 38.182147°             | 38.182085°   |
|   |                          |              |    | -121.575962°           | -121.576350° |
| DWR ID  | DWR_NA0002_01_f_2021_133 |              |    |                        |              |
| Comment Code  |                          |              |    |                        |              |
| A1 : Exterminate rodents and backfill and compact or grout burrows.   |                          |              |    |                        |              |
| Inspector Comment   |                          |              |    |                        |              |
| Spring 2023: Some holes have been grouted but new ones have appeared. |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_133\_20230517\_00095.jpg



View of a new rodent hole on the LS slope (Spring 2023).

|                                       |                         |              |    |                        |              |
|---------------------------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start                              | 1.22                    | Rating **    | U  | Issue No.              | 56           |
| LM End                                | 2.17                    | Issue Type + | En | Location *             | LS           |
| Category                              | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                                       |                         |              |    | Start                  | End          |
| Item                                  | Encroachments           |              |    | 38.177635°             | 38.164597°   |
|                                       |                         |              |    | -121.580241°           | -121.583921° |
| DWR ID                                | DWR_NA0002_01_s_2019_56 |              |    |                        |              |
| Comment Code                          |                         |              |    |                        |              |
| DT : Ditch                            |                         |              |    |                        |              |
| Inspector Comment                     |                         |              |    |                        |              |
| There is a ditch at the landside toe. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_56\_20230206\_00018.jpg



View looking upstream at ditch at the landside toe (Fall 2020).

|                   |                     |                         |  |                                  |  |
|-------------------|---------------------|-------------------------|--|----------------------------------|--|
| <b>* Location</b> |                     | <b>** Rating</b>        |  | <b>+ Issue Type</b>              |  |
| 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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|  |                           |              |    |                        |              |
|--|---------------------------|--------------|----|------------------------|--------------|
| LM Start   | 1.53                      | Rating **    | M  | Issue No.              | 39           |
| LM End   | 1.54                      | Issue Type + | Ma | Location *             | WS           |
| Category   | Supplemental              |              |    | GPS Latitude/Longitude |              |
|  |                           |              |    | Start                  | End          |
| Item   | 2018 USACE Erosion Survey |              |    | 38.173410°             | 38.173178°   |
|  |                           |              |    | -121.580683°           | -121.580622° |
| DWR ID   | DWR_NA0002_01_s_2022_39   |              |    |                        |              |
| Comment Code   |                           |              |    |                        |              |
|  |                           |              |    |                        |              |
|  |                           |              |    |                        |              |
| Inspector Comment  |                           |              |    |                        |              |
| 2018 Site ID: GEO 5.5 R  |                           |              |    |                        |              |
| Status: Eroding  |                           |              |    |                        |              |
| 2018 Field Notes: Site extended downstream.  |                           |              |    |                        |              |
| Site History: 2017 - Failed rock section, slump failure of bank to subvertical face. |                           |              |    |                        |              |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>1.53</b> | Rating **    | M  | Issue No.  | <b>39 (cont)</b> |
| LM End   | <b>1.54</b> | Issue Type + | Ma | Location * | WS               |

Photo 1 of 3 : SP\_2023\_NA0002\_62\_39\_20230517\_00093.jpg



View of the erosion on the WS (Spring 2023).

Photo 2 of 3 : SP\_2023\_NA0002\_62\_39\_20230206\_00009.jpg



USACE 2018 Erosion Photo #1

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>1.53</b> | Rating **    | M  | Issue No.  | <b>39 (cont)</b> |
| LM End   | <b>1.54</b> | Issue Type + | Ma | Location * | WS               |

Photo 3 of 3 : SP\_2023\_NA0002\_62\_39\_20230206\_00010.jpg



USACE 2018 Erosion Photo #2

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | 1.79                    | Rating **    | U  | Issue No.              | 74           |
| LM End   | 1.79                    | Issue Type + | En | Location *             | LS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Encroachments           |              |    | 38.169625°             | 38.169625°   |
|  |                         |              |    | -121.581542°           | -121.581542° |
| DWR ID   | DWR_NA0002_01_f_2016_74 |              |    |                        |              |
| Comment Code   |                         |              |    |                        |              |
| RA : Ramp  |                         |              |    |                        |              |
| Inspector Comment  |                         |              |    |                        |              |
| The landowner has created a gravel-covered ramp up the landside of the levee. A permit application should be submitted and the ramp should be brought up to Title 23 standards after approval. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_74\_20230206\_00027.jpg



View of the ramp going down the LS slope (Fall 2022).

|  |  |   |   |
|--|--|---|---|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia Donovan |

|   |                      |              |    |                        |              |  |
|---|----------------------|--------------|----|------------------------|--------------|--|
| LM Start  | 2.17                 | Rating **    | M  | Issue No.              | 8            |  |
| LM End  | 2.17                 | Issue Type + | En | Location *             |              |  |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |              |  |
|   |                      |              |    | Start                  | End          |  |
| Item  | DWR UCIP Field Study |              |    | 38.164491°             | 38.164491°   |  |
|   |                      |              |    | -121.583943°           | -121.583943° |  |
| DWR ID  | 21758                |              |    |                        |              |  |
| Comment Code  |                      |              |    |                        |              |  |
|   |                      |              |    |                        |              |  |
| Inspector Comment   |                      |              |    |                        |              |  |
| DS_ID:21758<br>FS_ID:62304<br>EP_NO: 11252<br>Repair Type: Non-Urgent<br>EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit<br>Crossing Status: Found<br>UCIP Comments: 06/22/2020 Record remains Non-Urgent. Old pipe segment is visible inside of concrete box at landside toe. Siphon breaker is still located in CMP riser on landside levee slope. 12-inch PVC pipe is connected to pump at riverbank on one side and discharges to concrete distribution box at landside toe. Pipe is temporarily dismantled on levee crown. Unable to find a permit for modification. Unable to locate a permit to confirm original pipe removal from levee. No permit has been identified authorizing original pipe through the levee. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)<br>04/06/2017 Landowner has installed a temporary pipe and removed old pipe. Photos and update courtesy of DWR Inspector, Richard Willoughby.05/16/2013 Pipe rusted through at inlet to box. Good candidate for video inspection. (G. Wylie - DWR)<br>FIELD_STRUCT_DESC: 12-inch steel pipe through the levee 4.0 feet below the crown. Slant pump on bank. Switch box on berm, conduit through levee. Siphon breaker in 24-inch CMP riser on landward slope. Power pole and electrical panel at landward toe. 7'X10' concrete distribution box on LS toe. (12-inch pipe [HLM 2.17] authorized under Automatic Board Order (ABO) issued as Permit No. 11252, 1975 - Hubert & Palmyra Vandermaele). [Additional Reference(s): DWR Levee Log, 2005 (HLM 2.17). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 205+46), listed as 12-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 5, Station 205+46, March 1950].<br>FS Date: 6/22/2020 10:20:04 AM |                      |              |    |                        |              |  |

Photo 1 of 3 : UCIP\_SP\_2023\_62304\_89930.jpg



Top of Levee: View of levee crown looking downstream

|  |   |  |  |
|--|---|--|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|          |                      |              |                        |              |                 |
|----------|----------------------|--------------|------------------------|--------------|-----------------|
| LM Start | <b>2.17</b>          | Rating **    | M                      | Issue No.    | <b>8 (cont)</b> |
| LM End   | <b>2.17</b>          | Issue Type + | En                     | Location *   |                 |
| Category | Supplemental         |              | GPS Latitude/Longitude |              |                 |
|          |                      |              | Start                  | End          |                 |
| Item     | DWR UCIP Field Study |              | 38.164491°             | 38.164491°   |                 |
|          |                      |              | -121.583943°           | -121.583943° |                 |
| DWR ID   | 21758                |              |                        |              |                 |

Photo 2 of 3 : UCIP\_SP\_2023\_62304\_89931.jpg



Land-Side: View of levee slope looking from crown. Dismantled PVC pipe on slope

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>2.17</b> | Rating **    | M  | Issue No.  | <b>8 (cont)</b> |
| LM End   | <b>2.17</b> | Issue Type + | En | Location * |                 |

Photo 3 of 3 : UCIP\_SP\_2023\_62304\_89935.jpg



Water-Side: View of levee slope looking from crown

|                   |                         |              |    |                        |              |
|-------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start          | 2.27                    | Rating **    | M  | Issue No.              | 25           |
| LM End            | 2.27                    | Issue Type + | En | Location *             | LS           |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                   |                         |              |    | Start                  | End          |
| Item              | Vegetation              |              |    | 38.163186°             | 38.163186°   |
|                   |                         |              |    | -121.584571°           | -121.584571° |
| DWR ID            | DWR_NA0002_01_s_2023_25 |              |    |                        |              |
| Comment Code      |                         |              |    |                        |              |
| V6 : Landscaping  |                         |              |    |                        |              |
| Inspector Comment |                         |              |    |                        |              |
|                   |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_25\_20230517\_00092.jpg



View of the landscaping on the LS slope (Spring 2023).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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  |  | <b>+ Issue Type</b><br>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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | 2.29                    | Rating **    | M  | Issue No.              | 36           |
| LM End   | 2.34                    | Issue Type + | En | Location *             | LS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Vegetation              |              |    | 38.162918°             | 38.162322°   |
|  |                         |              |    | -121.584721°           | -121.585081° |
| DWR ID   | DWR_NA0002_01_s_2012_36 |              |    |                        |              |
| Comment Code   |                         |              |    |                        |              |
| V6 : Landscaping                                       |                         |              |    |                        |              |
| Inspector Comment                                      |                         |              |    |                        |              |
| Spring 2023: Some of the landscaping has been cleared. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_36\_20230206\_00008.jpg



View looking upstream at landscaping on the landside slope (Spring 2022).

|                   |                         |              |    |                        |              |
|-------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start          | 2.30                    | Rating **    | U  | Issue No.              | 58           |
| LM End            | 2.30                    | Issue Type + | En | Location *             | WS           |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                   |                         |              |    | Start                  | End          |
| Item              | Vegetation              |              |    | 38.162806°             | 38.162806°   |
|                   |                         |              |    | -121.584768°           | -121.584768° |
| DWR ID            | DWR_NA0002_01_s_2018_58 |              |    |                        |              |
| Comment Code      |                         |              |    |                        |              |
| V6 : Landscaping  |                         |              |    |                        |              |
| Inspector Comment |                         |              |    |                        |              |
| Remove oleanders. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_58\_20230206\_00020.jpg



View of the oleander on the WS shoulder and slope (Fall 2022).

|  |                        |              |    |                        |              |
|--|------------------------|--------------|----|------------------------|--------------|
| LM Start                                     | 2.30                   | Rating **    | M  | Issue No.              | 3            |
| LM End                                       | 2.32                   | Issue Type + | En | Location *             | WS           |
| Category                                     | Earthen Levee          |              |    | GPS Latitude/Longitude |              |
|  |                        |              |    | Start                  | End          |
| Item   | Encroachments          |              |    | 38.162773°             | 38.162544°   |
|  |                        |              |    | -121.584767°           | -121.584909° |
| DWR ID                                       | DWR_NA0002_01_s_2012_3 |              |    |                        |              |
| Comment Code                                 |                        |              |    |                        |              |
| FW : Firewood                                |                        |              |    |                        |              |
| Inspector Comment                            |                        |              |    |                        |              |
| There is firewood on the waterside shoulder. |                        |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_3\_20230517\_00091.jpg



View of the firewood on the WS shoulder (Spring 2023).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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  |  | <b>+ Issue Type</b><br>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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | 2.33                    | Rating **    | M  | Issue No.              | 50           |
| LM End   | 2.33                    | Issue Type + | En | Location *             | WS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Encroachments           |              |    | 38.162343°             | 38.162343°   |
|  |                         |              |    | -121.585020°           | -121.585020° |
| DWR ID   | DWR_NA0002_01_f_2014_50 |              |    |                        |              |
| Comment Code   |                         |              |    |                        |              |
| LI : Landscape Irrigation  |                         |              |    |                        |              |
| Inspector Comment  |                         |              |    |                        |              |
| Landowner installed sprinklers along waterside slope without permit. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_50\_20230517\_00090.jpg



View of the sprinkler emitter on the WS slope (Spring 2023).

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | 2.34                    | Rating **    | U  | Issue No.              | 72           |
| LM End   | 2.34                    | Issue Type + | Ma | Location *             | LS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Trim / Thin Trees       |              |    | 38.162242°             | 38.162242°   |
|  |                         |              |    | -121.585058°           | -121.585058° |
| DWR ID   | DWR_NA0002_01_f_2016_72 |              |    |                        |              |
| Comment Code   |                         |              |    |                        |              |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. |                         |              |    |                        |              |
| Inspector Comment  |                         |              |    |                        |              |
|  |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_72\_20230206\_00026.jpg



View of thick tree on the landside shoulder (Spring 2022).

|   |                        |              |    |                        |              |
|---|------------------------|--------------|----|------------------------|--------------|
| LM Start  | 2.36                   | Rating **    | M  | Issue No.              | 7            |
| LM End  | 2.36                   | Issue Type + | Ma | Location *             | LS           |
| Category  | Earthen Levee          |              |    | GPS Latitude/Longitude |              |
|   |                        |              |    | Start                  | End          |
| Item  | Animal Control         |              |    | 38.162004°             | 38.162004°   |
|   |                        |              |    | -121.585229°           | -121.585229° |
| DWR ID  | DWR_NA0002_01_s_2012_7 |              |    |                        |              |
| Comment Code  |                        |              |    |                        |              |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.                           |                        |              |    |                        |              |
| Inspector Comment   |                        |              |    |                        |              |
| Rodent colony exists under raised Tyler Island Bridge approach.<br>Rodents should be exterminated and their holes backfilled. |                        |              |    |                        |              |

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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|   |                         |              |    |                        |              |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start  | 2.41                    | Rating **    | U  | Issue No.              | 28           |
| LM End  | 2.49                    | Issue Type + | Ma | Location *             | LS           |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|   |                         |              |    | Start                  | End          |
| Item  | Vegetation              |              |    | 38.161301°             | 38.160281°   |
|   |                         |              |    | -121.585560°           | -121.586007° |
| DWR ID  | DWR_NA0002_01_s_2013_28 |              |    |                        |              |
| Comment Code  |                         |              |    |                        |              |
| V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes. |                         |              |    |                        |              |
| Inspector Comment   |                         |              |    |                        |              |
| The wild roses have been removed but some dense vegetation on the toe remains.                    |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_28\_20230206\_00007.jpg



View of the vegetation on the LS toe (Fall 2022).

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | 2.58                    | Rating **    | M  | Issue No.              | 52           |
| LM End   | 2.58                    | Issue Type + | Ma | Location *             | LS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Trim / Thin Trees       |              |    | 38.158999°             | 38.158999°   |
|  |                         |              |    | -121.586621°           | -121.586621° |
| DWR ID   | DWR_NA0002_01_f_2017_29 |              |    |                        |              |
| Comment Code   |                         |              |    |                        |              |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. |                         |              |    |                        |              |
| Inspector Comment  |                         |              |    |                        |              |
|  |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_52\_20230206\_00015.jpg



View of the tree on the LS slope (Fall 2022).

|  |  |   |  |  |  |
|--|--|---|--|--|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|          |                      |              |    |                        |              |
|----------|----------------------|--------------|----|------------------------|--------------|
| LM Start | 2.60                 | Rating **    | M  | Issue No.              | 9            |
| LM End   | 2.60                 | Issue Type + | En | Location *             |              |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |              |
|          |                      |              |    | Start                  | End          |
| Item     | DWR UCIP Field Study |              |    | 38.158683°             | 38.158683°   |
|          |                      |              |    | -121.586784°           | -121.586784° |
| DWR ID   | 21765                |              |    |                        |              |

**Comment Code**

**Inspector Comment**

DS\_ID:21765  
FS\_ID:62316  
EP\_NO: 11238  
Repair Type: Non-Urgent  
EVAL Issue: 6, Levee Damage or Threat for Levee Damage  
Crossing Status: Found  
UCIP Comments: 06/23/2020 Record updated from Urgent to Non-Urgent. Visible cut in levee crown is due to emergency replacement of pipe section through levee crown in 2009. Erosion at riverbank within 10 feet from waterside levee toe is still present, but didn't grow in size. Dense vegetation on waterside limits inspection of levee at the crossing. No permit has been identified authorizing original pipe through the levee. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)  
07/12/2018 Dense vegetation on both levee slopes. Unable to evaluate erosion on WS. Depression along pipe alignment on levee crown. Recommend internal inspection to determine pipe integrity through levee. (O.Yakimov-DWR UCIP)10/24/2016 Unable to access WS due to heavy vegetation--assume WS remains the same or erosion has progressed but not visible from levee crown. Pipe marker found on LS slope next to 12-inch irrigation pipe indicating high pressure non-odorized natural gas pipeline however, unable to confirm if line is present or if it is parallel to levee or if it goes through levee. (O. Magana - DWR UCIP)05/16/2013 Erosion along pipe at WS toe goes into levee prism. Animal activity appears to be the cause of some pretty heavy erosion damage. Some settlement along the pipe alignment on crown may indicate other problems with this pipe. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 12-inch irrigation steel pipe through levee 4 feet below crown. Siphon breaker is located on landside (LS) shoulder. A 7-foot by 9-foot concrete distribution box is located on LS toe. (12-inch pipe [HLM 2.60] authorized under Automatic Board Order (ABO) issued as Permit No. 11238, 1975 - Gardiner Improvement Company). (Emergency replacement of 12-inch deteriorated section of pipe through levee crown was authorized under Permit 18549, 2010 - Stockton JACS LLC, and completed 07/17/2009). Pipe section was replaced with in-kind sized pipe raised within levee crown while maintaining minimum of 2-foot cover. [Additional Reference(s): DWR Levee Log, 2005 (HLM 2.55). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 182+63), listed as 12-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 4, Station 182+63, March 1950].  
FS Date: 6/23/2020 10:57:12 AM

Photo 1 of 3 : UCIP\_SP\_2023\_62316\_89986.jpg



Top of Levee: View of levee crown looking downstream

| * 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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|          |                      |              |    |                        |              |
|----------|----------------------|--------------|----|------------------------|--------------|
| LM Start | 2.60                 | Rating **    | M  | Issue No.              | 9 (cont)     |
| LM End   | 2.60                 | Issue Type + | En | Location *             |              |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |              |
|          |                      |              |    | Start                  | End          |
| Item     | DWR UCIP Field Study |              |    | 38.158683°             | 38.158683°   |
|          |                      |              |    | -121.586784°           | -121.586784° |
| DWR ID   | 21765                |              |    |                        |              |

Photo 2 of 3 : UCIP\_SP\_2023\_62316\_89987.jpg



Land-Side: View of levee slope looking from crown

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>2.60</b> | Rating **    | M  | Issue No.  | <b>9 (cont)</b> |
| LM End   | <b>2.60</b> | Issue Type + | En | Location * |                 |

Photo 3 of 3 : UCIP\_SP\_2023\_62316\_89992.jpg



Water-Side: Pipe visible under shrubs near levee toe. Erosion around pipe is present

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | 3.00                    | Rating **    | U  | Issue No.              | 53           |
| LM End   | 3.00                    | Issue Type + | Ma | Location *             | LS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Trim / Thin Trees       |              |    | 38.156537°             | 38.156537°   |
|  |                         |              |    | -121.592498°           | -121.592498° |
| DWR ID   | DWR_NA0002_01_f_2018_53 |              |    |                        |              |
| Comment Code   |                         |              |    |                        |              |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. |                         |              |    |                        |              |
| Inspector Comment  |                         |              |    |                        |              |
| Trim willows on the landside slope.  |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_53\_20230206\_00016.jpg



View of the willows on the lower LS slope (Fall 2022).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|          |                      |              |    |                        |              |
|----------|----------------------|--------------|----|------------------------|--------------|
| LM Start | 3.01                 | Rating **    | M  | Issue No.              | 10           |
| LM End   | 3.01                 | Issue Type + | En | Location *             |              |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |              |
|          |                      |              |    | Start                  | End          |
| Item     | DWR UCIP Field Study |              |    | 38.156330°             | 38.156330°   |
|          |                      |              |    | -121.592568°           | -121.592568° |
| DWR ID   | 21766                |              |    |                        |              |

**Comment Code**

**Inspector Comment**

DS\_ID:21766  
FS\_ID:62317  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit  
Crossing Status: Indicator Found  
UCIP Comments: 06/23/2020 Record remains Non-Urgent. Concrete standpipe on landside was removed. Diesel pump and media filtering facility installed on landside. Unable to find a permit for modification. Recommend owner to install a riser for siphon breaker on waterside shoulder. Pipe is running - no leaks detected. Updated coordinates of crossing. (O.Yakimov - DWR UCIP)  
05/16/2013 Appears abandoned  
FIELD\_STRUCT\_DESC: 12-inch steel irrigation pipe through the levee, at an unknown depth. 5-foot diameter concrete riser unit on the landside (LS) toe. (12-inch pipe authorized under Permit No. 13852, 1984 - A.T.J. Correia & D. Lee). [Additional Reference(s): DWR Levee Log, 2005 (HLM 2.97)].  
FS Date: 6/23/2020 11:46:59 AM

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.01</b> | Rating **    | M  | Issue No.  | <b>10 (cont)</b> |
| LM End   | <b>3.01</b> | Issue Type + | En | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2023\_62317\_89996.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_SP\_2023\_62317\_89995.jpg



Water-Side: Siphon breaker on levee shoulder. Needs to be protected by a riser

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|          |                      |              |                        |              |                  |
|----------|----------------------|--------------|------------------------|--------------|------------------|
| LM Start | <b>3.01</b>          | Rating **    | M                      | Issue No.    | <b>10 (cont)</b> |
| LM End   | <b>3.01</b>          | Issue Type + | En                     | Location *   |                  |
| Category | Supplemental         |              | GPS Latitude/Longitude |              |                  |
|          |                      |              | Start                  | End          |                  |
| Item     | DWR UCIP Field Study |              | 38.156330°             | 38.156330°   |                  |
|          |                      |              | -121.592568°           | -121.592568° |                  |
| DWR ID   | 21766                |              |                        |              |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_62317\_89993.jpg



Land-Side: Diesel pump and media filtering facility off levee toe

|                                     |                        |              |    |                        |              |
|-------------------------------------|------------------------|--------------|----|------------------------|--------------|
| LM Start                            | 3.37                   | Rating **    | U  | Issue No.              | 5            |
| LM End                              | 3.40                   | Issue Type + | En | Location *             | WS           |
| Category                            | Earthen Levee          |              |    | GPS Latitude/Longitude |              |
|                                     |                        |              |    | Start                  | End          |
| Item                                | Vegetation             |              |    | 38.151492°             | 38.151387°   |
|                                     |                        |              |    | -121.591942°           | -121.592387° |
| DWR ID                              | DWR_NA0002_01_f_2013_5 |              |    |                        |              |
| Comment Code                        |                        |              |    |                        |              |
| V6 : Landscaping                    |                        |              |    |                        |              |
| Inspector Comment                   |                        |              |    |                        |              |
| Remove cactus from waterside slope. |                        |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_5\_20230517\_00089.jpg



View of the cactus on the WS slope (Spring 2023).

|  |                         |              |     |                        |              |
|--|-------------------------|--------------|-----|------------------------|--------------|
| LM Start   | 3.38                    | Rating **    | A/W | Issue No.              | 67           |
| LM End   | 3.40                    | Issue Type + | Ma  | Location *             | CR           |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |              |
|  |                         |              |     | Start                  | End          |
| Item   | Slope Stability         |              |     | 38.151430°             | 38.151390°   |
|  |                         |              |     | -121.592085°           | -121.592517° |
| DWR ID   | DWR_NA0002_01_s_2017_67 |              |     |                        |              |
| Comment Code   |                         |              |     |                        |              |
| S1 : Repair slope instability.   |                         |              |     |                        |              |
| Inspector Comment  |                         |              |     |                        |              |
| Appears to be beginning of a landside slump. LMA's Engineer (DCC) is monitoring site for movement. |                         |              |     |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_67\_20230206\_00025.jpg



View of the depression on the levee crown (Fall 2022).

|                   |                      |                          |   |                                   |  |
|-------------------|----------------------|--------------------------|---|-----------------------------------|--|
| <b>* Location</b> |                      | <b>** Rating</b>         |   | <b>+ Issue Type</b>               |  |
| 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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|   |                         |              |    |                        |              |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start  | 3.43                    | Rating **    | C  | Issue No.              | 59           |
| LM End  | 3.82                    | Issue Type + | Ma | Location *             | WS           |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|   |                         |              |    | Start                  | End          |
| Item  | Vegetation              |              |    | 38.151448°             | 38.149783°   |
|   |                         |              |    | -121.592898°           | -121.598948° |
| DWR ID  | DWR_NA0002_01_f_2018_59 |              |    |                        |              |
| Comment Code  |                         |              |    |                        |              |
| V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes. |                         |              |    |                        |              |
| Inspector Comment   |                         |              |    |                        |              |
| The vegetation was removed.   |                         |              |    |                        |              |

No Photos

|   |                      |              |    |                        |              |
|---|----------------------|--------------|----|------------------------|--------------|
| LM Start  | 3.60                 | Rating **    | M  | Issue No.              | 12           |
| LM End  | 3.60                 | Issue Type + | En | Location *             |              |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |              |
|   |                      |              |    | Start                  | End          |
| Item  | DWR UCIP Field Study |              |    | 38.151813°             | 38.151813°   |
|   |                      |              |    | -121.596007°           | -121.596007° |
| DWR ID  | 21771                |              |    |                        |              |
| Comment Code  |                      |              |    |                        |              |
|   |                      |              |    |                        |              |
| Inspector Comment   |                      |              |    |                        |              |
| DS_ID:21771<br>FS_ID:62325<br>EP_NO: 11238<br>Repair Type: Non-Urgent<br>EVAL Issue: 4b, Safety Issue<br>Crossing Status: Found<br>UCIP Comments: 06/23/2020 Record updated from No Action Needed<br>for avoid fall hazard. No permit has been identified authorizing<br>pipe. Need to have CVFPB review ABO and determine current owner.<br>(O.Yakimov - DWR UCIP)<br>FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee,<br>3.7 feet below the crown. Siphon breaker in 16-inch high-density<br>polyethylene riser unit on the landside (LS) shoulder. 36-inch diameter<br>concrete standpipe located LS of toe. (8-inch pipe [HLM 3.60]<br>authorized under Automatic Board Order (ABO) issued as Permit No.<br>11238, 1975 - Gardiner Improvement Company). [Additional<br>Reference(s): DWR Levee Log, 2005 (HLM 3.58). USACE Sacramento<br>O&M Manual, Unit 103, June 1954, Revised 29 December 2016,<br>(Station 'R' 127+98), listed as 8-inch pipe. USACE As-Built Drawing No.<br>50-04-2631, Sheet 2, Station 127+98, March 1950].<br>FS Date: 6/23/2020 4:38:39 PM |                      |              |    |                        |              |

Photo 1 of 3 : UCIP\_SP\_2023\_62325\_90029.jpg



Top of Levee: View of levee crown looking upstream

|  |  |   |   |
|--|--|---|---|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|          |                      |              |                        |              |                  |
|----------|----------------------|--------------|------------------------|--------------|------------------|
| LM Start | <b>3.60</b>          | Rating **    | M                      | Issue No.    | <b>12 (cont)</b> |
| LM End   | <b>3.60</b>          | Issue Type + | En                     | Location *   |                  |
| Category | Supplemental         |              | GPS Latitude/Longitude |              |                  |
|          |                      |              | Start                  | End          |                  |
| Item     | DWR UCIP Field Study |              | 38.151813°             | 38.151813°   |                  |
|          |                      |              | -121.596007°           | -121.596007° |                  |
| DWR ID   | 21771                |              |                        |              |                  |

Photo 2 of 3 : UCIP\_SP\_2023\_62325\_90022.jpg



Water-Side: Pipe under water in the stream

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.60</b> | Rating **    | M  | Issue No.  | <b>12 (cont)</b> |
| LM End   | <b>3.60</b> | Issue Type + | En | Location * |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_62325\_90025.jpg



Land-Side: View of levee slope looking from toe

|  |                        |              |     |                        |              |
|--|------------------------|--------------|-----|------------------------|--------------|
| LM Start   | 3.64                   | Rating **    | A/W | Issue No.              | 1            |
| LM End   | 3.64                   | Issue Type + | Ob  | Location *             | LS           |
| Category   | Earthen Levee          |              |     | GPS Latitude/Longitude |              |
|  |                        |              |     | Start                  | End          |
| Item   | Seepage / Sandboils    |              |     | 38.151786°             | 38.151786°   |
|  |                        |              |     | -121.596843°           | -121.596843° |
| DWR ID   | DWR_NA0002_01_s_2020_1 |              |     |                        |              |
| Comment Code   |                        |              |     |                        |              |
| SS : Seepage / Sandboils   |                        |              |     |                        |              |
| Inspector Comment  |                        |              |     |                        |              |
| 45' wide contiuous wet spot at the landside toe. There is a ditch next to the spot but it does not look like it is the source of the moisture. |                        |              |     |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_1\_20230517\_00088.jpg



View of the seepage site on the LS toe (Spring 2023).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.74                    | Rating **    | U  | Issue No.              | 46            |
| LM End   | 3.74                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Trim / Thin Trees       |              |    | 38.150841 °            | 38.150841 °   |
|  |                         |              |    | -121.598161 °          | -121.598161 ° |
| DWR ID   | DWR_NA0002_01_f_2017_46 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
|  |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_46\_20230206\_00011.jpg



View of the trees on the LS slope (Fall 2022).

|   |                          |              |    |                        |              |
|---|--------------------------|--------------|----|------------------------|--------------|
| LM Start  | 3.90                     | Rating **    | C  | Issue No.              | 112          |
| LM End  | 3.90                     | Issue Type + | Ma | Location *             | LS           |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|   |                          |              |    | Start                  | End          |
| Item  | Animal Control           |              |    | 38.148714°             | 38.148714°   |
|   |                          |              |    | -121.599711°           | -121.599711° |
| DWR ID  | DWR_NA0002_01_f_2022_112 |              |    |                        |              |
| Comment Code  |                          |              |    |                        |              |
| A1 : Exterminate rodents and backfill and compact or grout burrows. |                          |              |    |                        |              |
| Inspector Comment   |                          |              |    |                        |              |
| The hole was backfilled and the slope was regraded.                 |                          |              |    |                        |              |

No Photos

|                   |                         |              |    |                        |              |
|-------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start          | 3.92                    | Rating **    | U  | Issue No.              | 47           |
| LM End            | 3.94                    | Issue Type + | En | Location *             | WS           |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                   |                         |              |    | Start                  | End          |
| Item              | Vegetation              |              |    | 38.148528°             | 38.148284°   |
|                   |                         |              |    | -121.599895°           | -121.600056° |
| DWR ID            | DWR_NA0002_01_f_2017_47 |              |    |                        |              |
| Comment Code      |                         |              |    |                        |              |
| V6 : Landscaping  |                         |              |    |                        |              |
| Inspector Comment |                         |              |    |                        |              |
|                   |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_47\_20230206\_00012.jpg



View looking downstream at bamboo landscaping on the waterside slope (Fall 2021).

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|                   |                         |              |    |                        |              |
|-------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start          | 3.93                    | Rating **    | U  | Issue No.              | 11           |
| LM End            | 3.97                    | Issue Type + | En | Location *             | LS           |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                   |                         |              |    | Start                  | End          |
| Item              | Vegetation              |              |    | 38.148318°             | 38.147923°   |
|                   |                         |              |    | -121.599947°           | -121.600245° |
| DWR ID            | DWR_NA0002_01_s_2012_11 |              |    |                        |              |
| Comment Code      |                         |              |    |                        |              |
| V6 : Landscaping  |                         |              |    |                        |              |
| Inspector Comment |                         |              |    |                        |              |
|                   |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_11\_20230206\_00005.jpg



View of the landscaping on the LS slope (Fall 2022).

|                   |                             |              |    |                        |              |
|-------------------|-----------------------------|--------------|----|------------------------|--------------|
| LM Start          | 3.99                        | Rating **    | M  | Issue No.              | 13           |
| LM End            | 3.99                        | Issue Type + | Ma | Location *             |              |
| Category          | Supplemental                |              |    | GPS Latitude/Longitude |              |
|                   |                             |              |    | Start                  | End          |
| Item              | DWR UCIP LMA Responsibility |              |    | 38.147677°             | 38.147677°   |
|                   |                             |              |    | -121.600501°           | -121.600501° |
| DWR ID            | 21772                       |              |    |                        |              |
| Comment Code      |                             |              |    |                        |              |
|                   |                             |              |    |                        |              |
| Inspector Comment |                             |              |    |                        |              |

Photo 1 of 3 : UCIP\_SP\_2023\_62327\_90037.jpg



Top of Levee: View of levee crown looking downstream

DS\_ID:21772  
 FS\_ID:62327  
 EP\_NO: 11248  
 Repair Type: Non-Urgent  
 EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit  
 Crossing Status: Found  
 UCIP Comments: 06/23/2020 Record updated from No Action Needed to Non-Urgent. 20-inch steel drainage pipe sleeved through 24-inch steel pipe. Annular space between pipes seems to be grouted. Unable to find a permit for modification. Asphalt repair patches on levee crown. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 20-inch steel drainage pipe sleeved through 24-inch steel pipe through the levee, 3 feet below the crown. Siphon breaker is located on the waterside (WS) slope. Pump is located on the landside (LS). (24-inch pipe [HLM 3.99] authorized under Automatic Board Order (ABO) issued as Permit No. 11248, 1975 - Reclamation District No.407). [Additional Reference(s): DWR Levee Log, 2005 (HLM 3.99), listed as 24-inch pipe. USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 107+76), listed as 26-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 2, Station 107+76, March 1950, listed as 26-inch pipe].  
 FS Date: 6/23/2020 9:27:29 AM

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|          |                             |              |    |                        |              |
|----------|-----------------------------|--------------|----|------------------------|--------------|
| LM Start | 3.99                        | Rating **    | M  | Issue No.              | 13 (cont)    |
| LM End   | 3.99                        | Issue Type + | Ma | Location *             |              |
| Category | Supplemental                |              |    | GPS Latitude/Longitude |              |
|          |                             |              |    | Start                  | End          |
| Item     | DWR UCIP LMA Responsibility |              |    | 38.147677°             | 38.147677°   |
|          |                             |              |    | -121.600501°           | -121.600501° |
| DWR ID   | 21772                       |              |    |                        |              |

Photo 2 of 3 : UCIP\_SP\_2023\_62327\_90035.jpg



Land-Side: Pipe sleeving point on levee slope

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.99</b> | Rating **    | M  | Issue No.  | <b>13 (cont)</b> |
| LM End   | <b>3.99</b> | Issue Type + | Ma | Location * |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_62327\_90033.jpg



Water-Side: View of pipe at riverbank. Siphon breaker installed on the pipe at this place

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|  |                      |              |    |                        |              |
|--|----------------------|--------------|----|------------------------|--------------|
| LM Start   | 3.99                 | Rating **    | U  | Issue No.              | 14           |
| LM End   | 3.99                 | Issue Type + | En | Location *             |              |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |              |
|  |                      |              |    | Start                  | End          |
| Item   | DWR UCIP Field Study |              |    | 38.147657°             | 38.147657°   |
|  |                      |              |    | -121.600521°           | -121.600521° |
| DWR ID   | 21773                |              |    |                        |              |
| Comment Code   |                      |              |    |                        |              |
| Inspector Comment  |                      |              |    |                        |              |
| DS_ID:21773<br>FS_ID:62330<br>EP_NO: 5534<br>Repair Type: Urgent<br>EVAL Issue: 1, Pipe Integrity<br>Crossing Status: Found<br>UCIP Comments: 06/23/2020 Record remains Urgent. Erosion site on landside shoulder has been repaired, but pipe integrity may still be compromised. Asphalt repair patches in levee crown pavement along pipe alignment. Recommend owner to perform pipe integrity test. Overgrown vegetation on landside slope limits inspection of levee at this crossing. (O.Yakimov - DWR UCIP)<br>07/12/2018 Levee crown on LS shoulder was repaved with asphalt. Dense vegetation limits visibility on LS levee slope and ability to evaluate erosion on LS. Crossing remains "Urgent". (O.Yakimov-DWR)10/24/2016 Internal erosion visible on LS where pipe daylights. LS road shoulder appears to be failing. Large sink hole patched and is visible on road/crown. Evidence of burrow activity that appear to be about 6-inches in diameter with depths greater than 3 feet. Burrow holes are located on LS hinge point just upstream of pipe and 3 holes visible on WS. Need to contact owner to address issue and recommend to stop use of crossing to avoid further damage to levee. (O. Magana - DWR UCIP)05/16/2013 Pot holes over pipe may indicate internal failure. Good candidate for video inspection. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 22-inch steel drainage pipe through the levee, 3 feet below the crown. Siphon breaker located on the waterside (WS) shoulder. Pump located on the landside (LS). This crossing replaces 24-inch pipe (see DSID 25663). (24-inch pipe authorized under Permit No. 5534, 1966 - Reclamation District No.407). [Additional Reference(s): DWR Levee Log, 2005 (HLM 3.99), listed as 24-inch pipe].<br>FS Date: 6/23/2020 10:47:15 AM |                      |              |    |                        |              |

Photo 1 of 3 : UCIP\_SP\_2023\_62330\_90046.jpg



Top of Levee: View of levee crown looking upstream

|  |   |  |
|--|---|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|          |                      |              |    |                        |              |
|----------|----------------------|--------------|----|------------------------|--------------|
| LM Start | 3.99                 | Rating **    | U  | Issue No.              | 14 (cont)    |
| LM End   | 3.99                 | Issue Type + | En | Location *             |              |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |              |
|          |                      |              |    | Start                  | End          |
| Item     | DWR UCIP Field Study |              |    | 38.147657°             | 38.147657°   |
|          |                      |              |    | -121.600521°           | -121.600521° |
| DWR ID   | 21773                |              |    |                        |              |

Photo 2 of 3 : UCIP\_SP\_2023\_62330\_90047.jpg



Land-Side: View of levee slope looking from crown

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.99</b> | Rating **    | U  | Issue No.  | <b>14 (cont)</b> |
| LM End   | <b>3.99</b> | Issue Type + | En | Location * |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_62330\_76442.jpg



Evidence of internal erosion visible on LS.

|  |  |   |   |
|--|--|---|---|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|          |                      |              |    |                        |              |
|----------|----------------------|--------------|----|------------------------|--------------|
| LM Start | 4.01                 | Rating **    | M  | Issue No.              | 15           |
| LM End   | 4.01                 | Issue Type + | En | Location *             |              |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |              |
|          |                      |              |    | Start                  | End          |
| Item     | DWR UCIP Field Study |              |    | 38.147459°             | 38.147459°   |
|          |                      |              |    | -121.600681°           | -121.600681° |
| DWR ID   | 21774                |              |    |                        |              |

**Comment Code**

**Inspector Comment**

DS\_ID:21774  
 FS\_ID:62331  
 EP\_NO: 11238  
 Repair Type: Non-Urgent  
 EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit  
 Crossing Status: Found  
 UCIP Comments: 06/23/2020 Record remains Non-Urgent. Scour hole around air release pipe on waterside shoulder has been repaired, pipe is capped. Flanged coupler installed on pipe on landside levee shoulder and a new pipe put on landside levee slope to pumping plant bypassing concrete standpipe. Concrete standpipe with slide gate is abandoned. Diesel pump and media filtering facility installed on landside off levee toe. Unable to find a permit for modification. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)  
 10/24/2016 Unable to determine if WS primer pipe is leaking or if settling is occurring at pipe. Need to contact owner to determine when upgrades to WS were completed. (O. Magana - DWR UCIP)  
 FIELD\_STRUCT\_DESC: 10-inch irrigation steel pipe through levee, 4 feet below crown. Siphon breaker is located on the landside (LS). 1.5-inch primer, 48-inch concrete standpipe on LS toe with slide gate. (12-inch pipe [HLM 4.01] authorized under Automatic Board Order (ABO) issued as Permit No. 11238, 1975 - Gardiner Improvement Company). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.00), listed as 12-inch pipe. USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 106+79), listed as 12-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 2, Station 106+79, March 1950, listed as 12-inch pipe].  
 FS Date: 6/23/2020 11:49:07 AM

Photo 1 of 3 : UCIP\_SP\_2023\_62331\_90057.jpg



Land-Side: Air vent/primer line on levee shoulder

| * 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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|          |                      |              |    |                        |                  |
|----------|----------------------|--------------|----|------------------------|------------------|
| LM Start | <b>4.01</b>          | Rating **    | M  | Issue No.              | <b>15 (cont)</b> |
| LM End   | <b>4.01</b>          | Issue Type + | En | Location *             |                  |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |                  |
|          |                      |              |    | Start                  | End              |
| Item     | DWR UCIP Field Study |              |    | 38.147459 °            | 38.147459 °      |
|          |                      |              |    | -121.600681 °          | -121.600681 °    |
| DWR ID   | 21774                |              |    |                        |                  |

Photo 2 of 3 : UCIP\_SP\_2023\_62331\_90051.jpg



Water-Side: View of levee slope looking from crown

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>4.01</b> | Rating **    | M  | Issue No.  | <b>15 (cont)</b> |
| LM End   | <b>4.01</b> | Issue Type + | En | Location * |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_62331\_90058.jpg



Land-Side: Abandoned concrete standpipe and levee slope on background

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|          |                      |              |    |                        |              |
|----------|----------------------|--------------|----|------------------------|--------------|
| LM Start | 4.04                 | Rating **    | U  | Issue No.              | 16           |
| LM End   | 4.04                 | Issue Type + | En | Location *             |              |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |              |
|          |                      |              |    | Start                  | End          |
| Item     | DWR UCIP Field Study |              |    | 38.146985°             | 38.146985°   |
|          |                      |              |    | -121.601019°           | -121.601019° |
| DWR ID   | 21775                |              |    |                        |              |

**Comment Code**

**Inspector Comment**

DS\_ID:21775  
FS\_ID:62333  
EP\_NO: 11238  
Repair Type: Urgent  
EVAL Issue: 2b, Levee Integrity  
Crossing Status: Found  
UCIP Comments: 06/23/2020 Record remains Urgent. Levee slope subsidence in pipe alignment on landside is more than 2-feet-deep. Sinkhole on waterside shoulder at public road pavement keeps growing and measures 3' x 2' x 0.75' deep. Missing cover on the top of vault at landside toe creates fall hazard. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)  
07/12/2018 Hole on LS shoulder under concrete blocks is still present, although haven't increased in size. Part of cover on concrete sump is still missing which is public safety issue. Crossing remain "Urgent" because of potential pipe failure signs. Recommend internal inspection to determine condition of pipe through levee. (DWR-O.Yakimov)  
12/30/2016 Left message with Ms. Cabral to inform her that we are working with LMA to find additional information about crossing. Spoke with Andy Giannini, LMA representative, regarding the UCIP report and Mr. Giannini believes the hole is due to ground squirrel activity. According to Mr. Giannini, the issue with ground squirrel has been resolved and the hole filled. Records indicate pipe was installed in the 1950s and authorized under Permit No. 11238 in 1975. This pipe could be about 62 years old. Crossing remains Urgent due to the uncertainty of pipe integrity through levee. Recommend having owner complete an internal inspection of the pipe through the levee to determine integrity of pipe. (O. Magana - DWR UCIP)12/28/2016 Contacted Andy Giannini, LMA representative, and provided him with UCIP report to review. (O. Magana - DWR UCIP)12/27/2016 Contacted Rebecca Cabral, property sales agent from Century 21 Farm & Ranch M&M and Associates, at 1-707-374-3900 to inquire about the property owner for this area. Mrs. Cabral was unaware of pipe through levee and has requested photos to share with client. She was not able to provide me with the current property owner information but mentioned that she will contact me next week (week ending Jan 6, 2017). (O. Magana - DWR UCIP)10/24/2016 Section of cover is still missing. Potential pipe failure through levee. Sink hole is present on LS shoulder. Need to contact owner to stop use of pipe to avoid further damage to levee. Recommend internal inspection of pipe to determine integrity of pipe wall. (O. Magana - DWR UCIP)05/08/2013 Missing cover on concrete sump is an immediate hazard and should be repaired. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 8-inch steel irrigation pipe through the levee, 3.7 feet below the crown. 5-foot by 5-foot concrete spill box located on the landside (LS) slope. (8-inch pipe [HLM 4.04] authorized under

Photo 1 of 3 : UCIP\_SP\_2023\_62333\_90064.jpg



Water-Side: Sinkhole on levee shoulder at the edge of road pavement

| * 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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

Automatic Board Order (ABO) issued as Permit No. 11238, 1975 - Gardiner Improvement Company). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.04). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 105+02), listed as 8-inch pipe. USACE As-Built Drawing No. 50-04-2631, Sheet 2, Station 105+02, March 1950].  
FS Date: 6/23/2020 3:32:06 PM

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>4.04</b> | Rating **    | U  | Issue No.  | <b>16 (cont)</b> |
| LM End   | <b>4.04</b> | Issue Type + | En | Location * |                  |

Photo 2 of 3 : UCIP\_SP\_2023\_62333\_90063.jpg



Land-Side: Subsidence on levee slope

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>4.04</b> | Rating **    | U  | Issue No.  | <b>16 (cont)</b> |
| LM End   | <b>4.04</b> | Issue Type + | En | Location * |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_62333\_90062.jpg



Land-Side: Open concrete spill box, pipe and levee slope

| * 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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|   |                        |              |    |                        |              |
|---|------------------------|--------------|----|------------------------|--------------|
| LM Start  | 4.11                   | Rating **    | C  | Issue No.              | 4            |
| LM End  | 4.14                   | Issue Type + | Ma | Location *             | WS           |
| Category  | Earthen Levee          |              |    | GPS Latitude/Longitude |              |
|   |                        |              |    | Start                  | End          |
| Item  | Vegetation             |              |    | 38.146153°             | 38.145668°   |
|   |                        |              |    | -121.601541°           | -121.601661° |
| DWR ID  | DWR_NA0002_01_f_2020_4 |              |    |                        |              |
| Comment Code  |                        |              |    |                        |              |
| V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes. |                        |              |    |                        |              |
| Inspector Comment   |                        |              |    |                        |              |
| The willows have been cleared.  |                        |              |    |                        |              |

No Photos

|                   |                          |              |    |                        |              |
|-------------------|--------------------------|--------------|----|------------------------|--------------|
| LM Start          | 4.19                     | Rating **    | M  | Issue No.              | 111          |
| LM End            | 4.19                     | Issue Type + | En | Location *             | LS           |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|                   |                          |              |    | Start                  | End          |
| Item              | Vegetation               |              |    | 38.144932°             | 38.144932°   |
|                   |                          |              |    | -121.601556°           | -121.601556° |
| DWR ID            | DWR_NA0002_01_f_2022_111 |              |    |                        |              |
| Comment Code      |                          |              |    |                        |              |
| V6 : Landscaping  |                          |              |    |                        |              |
| Inspector Comment |                          |              |    |                        |              |
|                   |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_111\_20230206\_00034.jpg



View of the landscaping on the LS toe (Fall 2022).

|                   |                         |              |    |                        |              |
|-------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start          | 4.20                    | Rating **    | M  | Issue No.              | 24           |
| LM End            | 4.20                    | Issue Type + | En | Location *             | LS           |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                   |                         |              |    | Start                  | End          |
| Item              | Encroachments           |              |    | 38.144813°             | 38.144813°   |
|                   |                         |              |    | -121.601512°           | -121.601512° |
| DWR ID            | DWR_NA0002_01_s_2023_24 |              |    |                        |              |
| Comment Code      |                         |              |    |                        |              |
| TA : Tank         |                         |              |    |                        |              |
| Inspector Comment |                         |              |    |                        |              |
|                   |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_24\_20230517\_00087.jpg



View of the tank on the LS toe (Spring 2023).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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  |  | <b>+ Issue Type</b><br>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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|   |                      |              |    |                        |              |
|---|----------------------|--------------|----|------------------------|--------------|
| LM Start  | 4.22                 | Rating **    | U  | Issue No.              | 17           |
| LM End  | 4.22                 | Issue Type + | En | Location *             |              |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |              |
|   |                      |              |    | Start                  | End          |
| Item  | DWR UCIP Field Study |              |    | 38.144579°             | 38.144579°   |
|   |                      |              |    | -121.601412°           | -121.601412° |
| DWR ID  | 21813                |              |    |                        |              |
| Comment Code  |                      |              |    |                        |              |
|   |                      |              |    |                        |              |
| Inspector Comment   |                      |              |    |                        |              |
| DS_ID:21813<br>FS_ID:62338<br>EP_NO: 16762<br>Repair Type: Urgent<br>EVAL Issue: 1, Pipe Integrity<br>Crossing Status: Found<br>UCIP Comments: 06/26/2020 Record updated from No Action Needed to Urgent. Local landowner informed that leakage on landside occurs when pipe is running. Excess vegetation in pipe alignment is visible at the approximate leakage spot. Recommend pipe owner to perform pipe integrity test. (O.Yakimov - DWR UCIP)<br>FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 2 feet below the crown. Siphon breaker on the landside (LS) shoulder. Shutoff valve at the LS toe. This crossing replaces 10-inch pipe (see DSID 21779). (12-inch pipe authorized under Permit No. 16762, 1997 - Brannan Andrus Levee Maintenance District). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.21). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 95+61), listed as 8-inch pipe. USACE As-Built Drawing No. 50-04-2672, Sheet 5, Station 95+61, 25 January 1951, listed as 8-inch pipe].<br>FS Date: 6/26/2020 1:25:20 PM |                      |              |    |                        |              |

|          |      |              |    |            |           |
|----------|------|--------------|----|------------|-----------|
| LM Start | 4.22 | Rating **    | U  | Issue No.  | 17 (cont) |
| LM End   | 4.22 | Issue Type + | En | Location * |           |

Photo 1 of 3 : UCIP\_SP\_2023\_62338\_90089.jpg



Land-Side: View of levee slope looking from crown

Photo 2 of 3 : UCIP\_SP\_2023\_62338\_90090.jpg



Land-Side: Levee slope. Shut-off valve at levee toe

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector      |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia Donovan |

|          |                      |              |                        |              |                  |
|----------|----------------------|--------------|------------------------|--------------|------------------|
| LM Start | <b>4.22</b>          | Rating **    | U                      | Issue No.    | <b>17 (cont)</b> |
| LM End   | <b>4.22</b>          | Issue Type + | En                     | Location *   |                  |
| Category | Supplemental         |              | GPS Latitude/Longitude |              |                  |
|          |                      |              | Start                  | End          |                  |
| Item     | DWR UCIP Field Study |              | 38.144579°             | 38.144579°   |                  |
|          |                      |              | -121.601412°           | -121.601412° |                  |
| DWR ID   | 21813                |              |                        |              |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_62338\_90088.jpg



Water-Side: View of levee slope looking from crown

|  |                         |              |     |                        |              |
|--|-------------------------|--------------|-----|------------------------|--------------|
| LM Start   | 4.23                    | Rating **    | A/W | Issue No.              | 20           |
| LM End   | 4.29                    | Issue Type + | En  | Location *             | WS           |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |              |
|  |                         |              |     | Start                  | End          |
| Item   | Encroachments           |              |     | 38.144471°             | 38.143652°   |
|  |                         |              |     | -121.601381°           | -121.600877° |
| DWR ID   | DWR_NA0002_01_f_2019_20 |              |     |                        |              |
| Comment Code   |                         |              |     |                        |              |
| LI : Landscape Irrigation  |                         |              |     |                        |              |
| Inspector Comment  |                         |              |     |                        |              |
| Spring 2023: The sprinkler system seems inactive and the slope is overgrown. |                         |              |     |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_20\_20230206\_00006.jpg



View of the sprinkler system on the WS slope (Fall 2022).

|   |                          |              |    |                        |              |
|---|--------------------------|--------------|----|------------------------|--------------|
| LM Start  | 4.26                     | Rating **    | M  | Issue No.              | 110          |
| LM End  | 4.26                     | Issue Type + | En | Location *             | LS           |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|   |                          |              |    | Start                  | End          |
| Item  | Encroachments            |              |    | 38.144074°             | 38.144074°   |
|   |                          |              |    | -121.601157°           | -121.601157° |
| DWR ID  | DWR_NA0002_01_f_2022_110 |              |    |                        |              |
| Comment Code  |                          |              |    |                        |              |
| RA : Ramp   |                          |              |    |                        |              |
| Inspector Comment                                     |                          |              |    |                        |              |
| A constructed ramp on the LS seems to have no permit. |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_110\_20230206\_00033.jpg



View of the ramp going down the LS slope (Fall 2022).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|  |                          |              |    |                        |              |
|--|--------------------------|--------------|----|------------------------|--------------|
| LM Start                                     | 4.26                     | Rating **    | N  | Issue No.              | 109          |
| LM End                                       | 4.26                     | Issue Type + | Ma | Location *             | LS           |
| Category                                     | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|  |                          |              |    | Start                  | End          |
| Item   | Trim / Thin Trees        |              |    | 38.143988°             | 38.143988°   |
|  |                          |              |    | -121.601103°           | -121.601103° |
| DWR ID                                       | DWR_NA0002_01_f_2022_109 |              |    |                        |              |
| Comment Code                                 |                          |              |    |                        |              |
| T5 : Tree stumps.                            |                          |              |    |                        |              |
| Inspector Comment                            |                          |              |    |                        |              |
| There are three tree stumps on the LS slope. |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_109\_20230206\_00032.jpg



View of the tree stumps on the LS slope (Fall 2022).

|                                       |                          |              |    |                        |              |
|---------------------------------------|--------------------------|--------------|----|------------------------|--------------|
| LM Start                              | 4.28                     | Rating **    | M  | Issue No.              | 108          |
| LM End                                | 4.28                     | Issue Type + | Ma | Location *             | WS           |
| Category                              | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|                                       |                          |              |    | Start                  | End          |
| Item                                  | Trim / Thin Trees        |              |    | 38.143706°             | 38.143706°   |
|                                       |                          |              |    | -121.600903°           | -121.600903° |
| DWR ID                                | DWR_NA0002_01_f_2022_108 |              |    |                        |              |
| Comment Code                          |                          |              |    |                        |              |
| T2 : Tree or limb.                    |                          |              |    |                        |              |
| Inspector Comment                     |                          |              |    |                        |              |
| There are tree limbs on the WS slope. |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_108\_20230206\_00031.jpg



View of the tree limbs on the WS slope (Fall 2022).

|  |  |   |  |   |
|--|--|---|--|---|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|   |                      |              |    |                        |              |  |
|---|----------------------|--------------|----|------------------------|--------------|--|
| LM Start  | 4.45                 | Rating **    | M  | Issue No.              | 18           |  |
| LM End  | 4.45                 | Issue Type + | En | Location *             |              |  |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |              |  |
|   |                      |              |    | Start                  | End          |  |
| Item  | DWR UCIP Field Study |              |    | 38.141719°             | 38.141719°   |  |
|   |                      |              |    | -121.599223°           | -121.599223° |  |
| DWR ID  | 21780                |              |    |                        |              |  |
| Comment Code  |                      |              |    |                        |              |  |
|   |                      |              |    |                        |              |  |
| Inspector Comment   |                      |              |    |                        |              |  |
| DS_ID:21780<br>FS_ID:62350<br>EP_NO: 11237<br>Repair Type: Non-Urgent<br>EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit<br>Crossing Status: Found<br>UCIP Comments: 06/26/2020 Record updated from No Action Needed to Non-Urgent. 42-inch concrete standpipe at landside levee toe has been removed. Unable to find a permit for modification. Crossing appears abandoned. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. High water table at landside toe: water sits at approximately 1/2 feet under land surface. (O.Yakimov - DWR UCIP)<br>FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 4 feet below the crown. Siphon breaker on the landside (LS) shoulder. 42-inch diameter concrete standpipe on the LS toe. (12-inch pipe [HLM 4.45] authorized under Automatic Board Order (ABO) issued as Permit No. 11237, 1975 - Bruna Galli). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.45). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 83+60), listed as 12-inch pipe. USACE As-Built Drawing No. 50-04-2672, Sheet 5, Station 83+60, 25 January 1951].<br>FS Date: 6/26/2020 4:26:36 PM |                      |              |    |                        |              |  |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>4.45</b> | Rating **    | M  | Issue No.  | <b>18 (cont)</b> |
| LM End   | <b>4.45</b> | Issue Type + | En | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2023\_62350\_90150.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_SP\_2023\_62350\_90151.jpg



Land-Side: View of levee slope looking from crown

|                |                     |                         |  |                                  |  |
|----------------|---------------------|-------------------------|--|----------------------------------|--|
| * 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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|          |                      |              |    |                        |              |
|----------|----------------------|--------------|----|------------------------|--------------|
| LM Start | 4.45                 | Rating **    | M  | Issue No.              | 18 (cont)    |
| LM End   | 4.45                 | Issue Type + | En | Location *             |              |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |              |
|          |                      |              |    | Start                  | End          |
| Item     | DWR UCIP Field Study |              |    | 38.141719°             | 38.141719°   |
|          |                      |              |    | -121.599223°           | -121.599223° |
| DWR ID   | 21780                |              |    |                        |              |

Photo 3 of 3 : UCIP\_SP\_2023\_62350\_90154.jpg



Water-Side: View of levee slope looking from crown

|  |                          |              |    |                        |              |
|--|--------------------------|--------------|----|------------------------|--------------|
| LM Start   | 4.65                     | Rating **    | M  | Issue No.              | 131          |
| LM End   | 4.65                     | Issue Type + | En | Location *             | LS           |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|  |                          |              |    | Start                  | End          |
| Item   | Vegetation               |              |    | 38.139167°             | 38.139167°   |
|  |                          |              |    | -121.597561°           | -121.597561° |
| DWR ID   | DWR_NA0002_01_s_2021_131 |              |    |                        |              |
| Comment Code   |                          |              |    |                        |              |
| V6 : Landscaping                                     |                          |              |    |                        |              |
| Inspector Comment                                    |                          |              |    |                        |              |
| Oleanders are blocking the view down landside slope. |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_131\_20230206\_00039.jpg



View of oleanders on the landside slope (Spring 2021).

|                           |                         |              |    |                        |              |
|---------------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start                  | 4.71                    | Rating **    | M  | Issue No.              | 23           |
| LM End                    | 4.74                    | Issue Type + | En | Location *             | WS           |
| Category                  | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                           |                         |              |    | Start                  | End          |
| Item                      | Encroachments           |              |    | 38.138302°             | 38.137926°   |
|                           |                         |              |    | -121.597083°           | -121.596845° |
| DWR ID                    | DWR_NA0002_01_s_2023_23 |              |    |                        |              |
| Comment Code              |                         |              |    |                        |              |
| LI : Landscape Irrigation |                         |              |    |                        |              |
| Inspector Comment         |                         |              |    |                        |              |
|                           |                         |              |    |                        |              |

No Photos

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|                              |                          |              |    |                        |              |
|------------------------------|--------------------------|--------------|----|------------------------|--------------|
| LM Start                     | 4.74                     | Rating **    | C  | Issue No.              | 107          |
| LM End                       | 4.77                     | Issue Type + | En | Location *             | LS           |
| Category                     | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|                              |                          |              |    | Start                  | End          |
| Item                         | Vegetation               |              |    | 38.137890°             | 38.137547°   |
|                              |                          |              |    | -121.596825°           | -121.596578° |
| DWR ID                       | DWR_NA0002_01_f_2022_107 |              |    |                        |              |
| Comment Code                 |                          |              |    |                        |              |
| V6 : Landscaping             |                          |              |    |                        |              |
| Inspector Comment            |                          |              |    |                        |              |
| The ice plants were removed. |                          |              |    |                        |              |

No Photos

|   |                          |              |    |                        |              |
|---|--------------------------|--------------|----|------------------------|--------------|
| LM Start                                      | 4.78                     | Rating **    | M  | Issue No.              | 113          |
| LM End  | 4.78                     | Issue Type + | En | Location *             | LS           |
| Category                                      | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|   |                          |              |    | Start                  | End          |
| Item  | Encroachments            |              |    | 38.137451°             | 38.137451°   |
|   |                          |              |    | -121.596482°           | -121.596482° |
| DWR ID  | DWR_NA0002_01_f_2022_113 |              |    |                        |              |
| Comment Code                                  |                          |              |    |                        |              |
| RA : Ramp                                     |                          |              |    |                        |              |
| Inspector Comment                             |                          |              |    |                        |              |
| A new ramp on the LS seems to have no permit. |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_113\_20230206\_00036.jpg



View of the ramp going down the LS slope (Fall 2022).

|   |                         |              |    |                        |              |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start  | 4.79                    | Rating **    | M  | Issue No.              | 70           |
| LM End  | 4.79                    | Issue Type + | En | Location *             | LS           |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|   |                         |              |    | Start                  | End          |
| Item  | Vegetation              |              |    | 38.137366°             | 38.137366°   |
|   |                         |              |    | -121.596422°           | -121.596421° |
| DWR ID  | DWR_NA0002_01_s_2018_70 |              |    |                        |              |
| Comment Code                                      |                         |              |    |                        |              |
| V6 : Landscaping                                  |                         |              |    |                        |              |
| Inspector Comment                                 |                         |              |    |                        |              |
| Iceplant blocks visibility of the landside slope. |                         |              |    |                        |              |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|  |                      |              |    |                        |              |
|--|----------------------|--------------|----|------------------------|--------------|
| LM Start   | 4.80                 | Rating **    | M  | Issue No.              | 19           |
| LM End   | 4.80                 | Issue Type + | En | Location *             |              |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |              |
|  |                      |              |    | Start                  | End          |
| Item   | DWR UCIP Field Study |              |    | 38.137180°             | 38.137180°   |
|  |                      |              |    | -121.596268°           | -121.596268° |
| DWR ID   | 21796                |              |    |                        |              |
| Comment Code   |                      |              |    |                        |              |
|  |                      |              |    |                        |              |
| Inspector Comment  |                      |              |    |                        |              |
| DS_ID:21796  |                      |              |    |                        |              |
| FS_ID:62371  |                      |              |    |                        |              |
| EP_NO: 13667   |                      |              |    |                        |              |
| Repair Type: Non-Urgent  |                      |              |    |                        |              |
| EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit          |                      |              |    |                        |              |
| Crossing Status: Found   |                      |              |    |                        |              |
| UCIP Comments: 06/29/2020 Record updated from No Action Needed             |                      |              |    |                        |              |
| to Non-Urgent. Recommend owner to install utility box and conduit to       |                      |              |    |                        |              |
| protect electrical cable on waterside. (O.Yakimov - DWR UCIP)              |                      |              |    |                        |              |
| FIELD_STRUCT_DESC: 1-inch electrical conduit of an unknown                 |                      |              |    |                        |              |
| material through the levee, 2 feet below the crown. (Utility line (special |                      |              |    |                        |              |
| condition 23) authorized under Permit No. 13667, 1983 - Ted Amlick).       |                      |              |    |                        |              |
| FS Date: 6/29/2020 1:43:47 PM  |                      |              |    |                        |              |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>4.80</b> | Rating **    | M  | Issue No.  | <b>19 (cont)</b> |
| LM End   | <b>4.80</b> | Issue Type + | En | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2023\_62371\_90241.jpg



Top of Levee: View of levee crown looking downstream

Photo 2 of 3 : UCIP\_SP\_2023\_62371\_90242.jpg



Land-Side: View of levee slope looking from crown

|  |  |   |   |
|--|--|---|---|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|          |                      |              |    |                        |              |
|----------|----------------------|--------------|----|------------------------|--------------|
| LM Start | 4.80                 | Rating **    | M  | Issue No.              | 19 (cont)    |
| LM End   | 4.80                 | Issue Type + | En | Location *             |              |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |              |
|          |                      |              |    | Start                  | End          |
| Item     | DWR UCIP Field Study |              |    | 38.137180°             | 38.137180°   |
|          |                      |              |    | -121.596268°           | -121.596268° |
| DWR ID   | 21796                |              |    |                        |              |

Photo 3 of 3 : UCIP\_SP\_2023\_62371\_90245.jpg



Water-Side: View of levee slope looking towards crown. Cable is exiting ground on the slope

|   |                         |              |    |                        |              |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start  | 4.83                    | Rating **    | U  | Issue No.              | 48           |
| LM End  | 4.83                    | Issue Type + | En | Location *             | LS           |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|   |                         |              |    | Start                  | End          |
| Item  | Encroachments           |              |    | 38.136839°             | 38.136839°   |
|   |                         |              |    | -121.595994°           | -121.595994° |
| DWR ID  | DWR_NA0002_01_f_2015_48 |              |    |                        |              |
| Comment Code  |                         |              |    |                        |              |
| FE : Fence  |                         |              |    |                        |              |
| Inspector Comment                                   |                         |              |    |                        |              |
| There is an unauthorized fence at the landside toe. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_48\_20230206\_00013.jpg



View of the fence on the LS toe (Fall 2022).

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | 4.95                    | Rating **    | M  | Issue No.              | 73           |
| LM End   | 4.99                    | Issue Type + | En | Location *             | LS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Vegetation              |              |    | 38.135445°             | 38.135029°   |
|  |                         |              |    | -121.594527°           | -121.594052° |
| DWR ID   | DWR_NA0002_01_s_2018_73 |              |    |                        |              |
| Comment Code   |                         |              |    |                        |              |
| V6 : Landscaping   |                         |              |    |                        |              |
| Inspector Comment  |                         |              |    |                        |              |
| Iceplant blocks visibility of landside slope. Should be removed. |                         |              |    |                        |              |

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start                                     | 4.96                    | Rating **    | M  | Issue No.              | 54           |
| LM End                                       | 5.00                    | Issue Type + | En | Location *             | WS           |
| Category                                     | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Encroachments           |              |    | 38.135407°             | 38.135013°   |
|  |                         |              |    | -121.594512°           | -121.593970° |
| DWR ID                                       | DWR_NA0002_01_s_2020_54 |              |    |                        |              |
| Comment Code                                 |                         |              |    |                        |              |
| LI : Landscape Irrigation                    |                         |              |    |                        |              |
| Inspector Comment                            |                         |              |    |                        |              |
| There are sprinklers on the waterside slope. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_54\_20230206\_00017.jpg



View looking downstream at sprinklers on the waterside slope (Spring 2020).

|   |                      |              |    |                        |              |
|---|----------------------|--------------|----|------------------------|--------------|
| LM Start  | 4.98                 | Rating **    | M  | Issue No.              | 21           |
| LM End  | 4.98                 | Issue Type + | En | Location *             |              |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |              |
|   |                      |              |    | Start                  | End          |
| Item  | DWR UCIP Field Study |              |    | 38.135138°             | 38.135138°   |
|   |                      |              |    | -121.594176°           | -121.594176° |
| DWR ID  | 21841                |              |    |                        |              |
| Comment Code  |                      |              |    |                        |              |
|   |                      |              |    |                        |              |
| Inspector Comment   |                      |              |    |                        |              |
| DS_ID:21841<br>FS_ID:62374<br>EP_NO: 5420<br>Repair Type: Non-Urgent<br>EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit<br>Crossing Status: Found<br>UCIP Comments: 06/29/2020 Record updated from No Action Needed to Non-Urgent. Conduit is open on waterside slope under gangway.<br>Recommend owner to cap the end of the conduit. (O.Yakimov - DWR UCIP)<br>FIELD_STRUCT_DESC: 1-inch galvanized steel electrical conduit through the levee, 2 feet below the crown. Visible on walkway at the waterside (WS) slope. (Utility conduit authorized under Permit No. 5420, 1966 - William C. Myer). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.98)].<br>FS Date: 6/29/2020 3:09:43 PM |                      |              |    |                        |              |

Photo 1 of 3 : UCIP\_SP\_2023\_62374\_90258.jpg



Top of Levee: View of levee crown looking downstream

|  |  |   |   |
|--|--|---|---|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|          |                      |              |                        |              |                  |
|----------|----------------------|--------------|------------------------|--------------|------------------|
| LM Start | <b>4.98</b>          | Rating **    | M                      | Issue No.    | <b>21 (cont)</b> |
| LM End   | <b>4.98</b>          | Issue Type + | En                     | Location *   |                  |
| Category | Supplemental         |              | GPS Latitude/Longitude |              |                  |
|          |                      |              | Start                  | End          |                  |
| Item     | DWR UCIP Field Study |              | 38.135138°             | 38.135138°   |                  |
|          |                      |              | -121.594176°           | -121.594176° |                  |
| DWR ID   | 21841                |              |                        |              |                  |

Photo 2 of 3 : UCIP\_SP\_2023\_62374\_90260.jpg



Land-Side: View of levee slope looking from crown

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>4.98</b> | Rating **    | M  | Issue No.  | <b>21 (cont)</b> |
| LM End   | <b>4.98</b> | Issue Type + | En | Location * |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_62374\_90259.jpg



Water-Side: View of levee slope looking from crown

|   |                         |              |    |                        |              |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start  | 5.01                    | Rating **    | M  | Issue No.              | 76           |
| LM End  | 5.15                    | Issue Type + | En | Location *             | LS           |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|   |                         |              |    | Start                  | End          |
| Item  | Vegetation              |              |    | 38.134857°             | 38.133309°   |
|   |                         |              |    | -121.593840°           | -121.592068° |
| DWR ID  | DWR_NA0002_01_s_2018_76 |              |    |                        |              |
| Comment Code                                      |                         |              |    |                        |              |
| V6 : Landscaping                                  |                         |              |    |                        |              |
| Inspector Comment                                 |                         |              |    |                        |              |
| There are iceplants and a cactus on the LS slope. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_76\_20230206\_00028.jpg



View of the iceplants on the LS slope (Fall 2022).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|  |                          |              |    |                        |              |
|--|--------------------------|--------------|----|------------------------|--------------|
| LM Start                                     | 5.03                     | Rating **    | M  | Issue No.              | 115          |
| LM End                                       | 5.03                     | Issue Type + | En | Location *             | WS           |
| Category                                     | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|  |                          |              |    | Start                  | End          |
| Item   | Trim / Thin Trees        |              |    | 38.134631°             | 38.134631°   |
|  |                          |              |    | -121.593619°           | -121.593619° |
| DWR ID                                       | DWR_NA0002_01_f_2021_115 |              |    |                        |              |
| Comment Code                                 |                          |              |    |                        |              |
| T2 : Tree or limb.                           |                          |              |    |                        |              |
| Inspector Comment                            |                          |              |    |                        |              |
| There is a tree limb on the waterside slope. |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_115\_20230206\_00037.jpg



View of downed tree branch on the waterside slope (Fall 2021).

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start                                     | 5.07                    | Rating **    | M  | Issue No.              | 57           |
| LM End                                       | 5.15                    | Issue Type + | En | Location *             | WS           |
| Category                                     | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Encroachments           |              |    | 38.134238°             | 38.133325°   |
|  |                         |              |    | -121.593188°           | -121.592032° |
| DWR ID                                       | DWR_NA0002_01_s_2020_57 |              |    |                        |              |
| Comment Code                                 |                         |              |    |                        |              |
| LI : Landscape Irrigation                    |                         |              |    |                        |              |
| Inspector Comment                            |                         |              |    |                        |              |
| There are sprinklers on the waterside slope. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_57\_20230206\_00019.jpg



View looking downstream at sprinklers on the waterside slope (Spring 2020).

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start                               | 5.18                    | Rating **    | M  | Issue No.              | 77           |
| LM End                                 | 5.20                    | Issue Type + | En | Location *             | LS           |
| Category                               | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item                                   | Vegetation              |              |    | 38.133062°             | 38.132753°   |
|  |                         |              |    | -121.591798°           | -121.591452° |
| DWR ID                                 | DWR_NA0002_01_s_2018_77 |              |    |                        |              |
| Comment Code                           |                         |              |    |                        |              |
| V6 : Landscaping                       |                         |              |    |                        |              |
| Inspector Comment                      |                         |              |    |                        |              |
| Iceplants are on the LS slope and toe. |                         |              |    |                        |              |

No Photos

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable  |  | <b>+ Issue Type</b><br>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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | 5.22                    | Rating **    | U  | Issue No.              | 78           |
| LM End   | 5.24                    | Issue Type + | En | Location *             | LS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Vegetation              |              |    | 38.132606°             | 38.132322°   |
|  |                         |              |    | -121.591295°           | -121.590989° |
| DWR ID   | DWR_NA0002_01_s_2018_78 |              |    |                        |              |
| Comment Code   |                         |              |    |                        |              |
| V6 : Landscaping   |                         |              |    |                        |              |
| Inspector Comment  |                         |              |    |                        |              |
| Heavy landscaping completely blocks visibility and access to landside slope and toe. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_78\_20230206\_00029.jpg



View of the landscaping on the LS slope (Fall 2022).

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | 5.25                    | Rating **    | M  | Issue No.              | 61           |
| LM End   | 5.25                    | Issue Type + | En | Location *             | WS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Vegetation              |              |    | 38.132261°             | 38.132261°   |
|  |                         |              |    | -121.590914°           | -121.590914° |
| DWR ID   | DWR_NA0002_01_s_2015_61 |              |    |                        |              |
| Comment Code   |                         |              |    |                        |              |
| V6 : Landscaping   |                         |              |    |                        |              |
| Inspector Comment  |                         |              |    |                        |              |
| Overgrown landscaping is located on the waterside slope. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_61\_20230206\_00023.jpg



View of the landscaping on the WS slope (Fall 2022).

|                   |                          |              |    |                        |              |
|-------------------|--------------------------|--------------|----|------------------------|--------------|
| LM Start          | 5.25                     | Rating **    | M  | Issue No.              | 136          |
| LM End            | 5.25                     | Issue Type + | En | Location *             | WS           |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|                   |                          |              |    | Start                  | End          |
| Item              | Encroachments            |              |    | 38.132237°             | 38.132237°   |
|                   |                          |              |    | -121.590901°           | -121.590901° |
| DWR ID            | DWR_NA0002_01_s_2022_136 |              |    |                        |              |
| Comment Code      |                          |              |    |                        |              |
| FW : Firewood     |                          |              |    |                        |              |
| Inspector Comment |                          |              |    |                        |              |
|                   |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_136\_20230206\_00041.jpg



View of firewood on the waterside hinge (Spring 2022).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|   |                          |              |    |                        |              |
|---|--------------------------|--------------|----|------------------------|--------------|
| LM Start  | 5.26                     | Rating **    | M  | Issue No.              | 60           |
| LM End  | 5.26                     | Issue Type + | En | Location *             | WS           |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|   |                          |              |    | Start                  | End          |
| Item  | Encroachments            |              |    | 38.132199°             | 38.132199°   |
|   |                          |              |    | -121.590855°           | -121.590855° |
| DWR ID  | DWR_NA0002_01_s_ 2015_60 |              |    |                        |              |
| Comment Code  |                          |              |    |                        |              |
| GA : Garbage  |                          |              |    |                        |              |
| Inspector Comment   |                          |              |    |                        |              |
| An abandoned child's swing set is located at the waterside toe. |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_60\_20230206\_00022.jpg



View of the swing and other material on the WS slope and toe (Fall 2022).

|   |                      |              |    |                        |              |
|---|----------------------|--------------|----|------------------------|--------------|
| LM Start  | 5.54                 | Rating **    | U  | Issue No.              | 22           |
| LM End  | 5.54                 | Issue Type + | En | Location *             |              |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |              |
|   |                      |              |    | Start                  | End          |
| Item  | DWR UCIP Field Study |              |    | 38.129441°             | 38.129441°   |
|   |                      |              |    | -121.587014°           | -121.587014° |
| DWR ID  | 21788                |              |    |                        |              |
| Comment Code  |                      |              |    |                        |              |
|   |                      |              |    |                        |              |
| Inspector Comment   |                      |              |    |                        |              |
| DS_ID:21788<br>FS_ID:62394<br>EP_NO: 11245<br>Repair Type: Urgent<br>EVAL Issue: 2b, Levee Integrity<br>Crossing Status: Found<br>UCIP Comments: 07/01/2020 Record updated from No Action Needed to Urgent. Soil depression on landside slope from concrete standpipe up the slope measures 13' x 3' x 1'-deep. Overgrown vegetation on waterside limits inspection of levee at this crossing. Crossing appears abandoned. Slide gate inside of concrete standpipe not in operable condition. 1-1/2 hose connected to siphon breaker / filler pipe on landside shoulder. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)<br><br>FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 3.8 feet below the crown. Siphon breaker on the landside (LS) shoulder. Concrete standpipe located LS of toe. (10-inch pipe [HLM 5.55] authorized under Automatic Board Order (ABO) issued as Permit No. 11245, 1975 - Mary Nobrega & Manuel Mendes et.al). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.55). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station 'R' 26+25), listed as 10-inch pipe. USACE As-Built Drawing No. 50-04-2672, Sheet 3, Station 26+25, 25 January 1951].<br>FS Date: 7/1/2020 8:28:37 AM |                      |              |    |                        |              |

Photo 1 of 3 : UCIP\_SP\_2023\_62394\_21275.jpg



10-inch pipe at WS toe.

|                |                     |                         |  |                                  |  |
|----------------|---------------------|-------------------------|--|----------------------------------|--|
| * 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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|          |                      |              |                        |              |                  |
|----------|----------------------|--------------|------------------------|--------------|------------------|
| LM Start | <b>5.54</b>          | Rating **    | U                      | Issue No.    | <b>22 (cont)</b> |
| LM End   | <b>5.54</b>          | Issue Type + | En                     | Location *   |                  |
| Category | Supplemental         |              | GPS Latitude/Longitude |              |                  |
|          |                      |              | Start                  | End          |                  |
| Item     | DWR UCIP Field Study |              | 38.129441°             | 38.129441°   |                  |
|          |                      |              | -121.587014°           | -121.587014° |                  |
| DWR ID   | 21788                |              |                        |              |                  |

Photo 2 of 3 : UCIP\_SP\_2023\_62394\_21274.jpg



Pipe visible at WS toe to left of tree in photo.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>5.54</b> | Rating **    | U  | Issue No.  | <b>22 (cont)</b> |
| LM End   | <b>5.54</b> | Issue Type + | En | Location * |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_62394\_21273.jpg



Siphon breaker next to paddle marker on LS shoulder.

|   |                          |              |    |                        |              |
|---|--------------------------|--------------|----|------------------------|--------------|
| LM Start  | 5.66                     | Rating **    | M  | Issue No.              | 117          |
| LM End  | 5.84                     | Issue Type + | Ma | Location *             | WS           |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|   |                          |              |    | Start                  | End          |
| Item  | Vegetation               |              |    | 38.129248°             | 38.129635°   |
|   |                          |              |    | -121.584988°           | -121.581698° |
| DWR ID  | DWR_NA0002_01_f_2021_117 |              |    |                        |              |
| Comment Code  |                          |              |    |                        |              |
| V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes. |                          |              |    |                        |              |
| Inspector Comment   |                          |              |    |                        |              |
|   |                          |              |    |                        |              |

No Photos

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 Georgiana Slough | Right | 6.01       | 05/09/2023<br>05/09/2023 | Saskia<br>Donovan |

|                   |                          |              |    |                        |               |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start          | 5.91                     | Rating **    | U  | Issue No.              | 118           |
| LM End            | 5.91                     | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                   |                          |              |    | Start                  | End           |
| Item              | Vegetation               |              |    | 38.129728 °            | 38.129728 °   |
|                   |                          |              |    | -121.580382 °          | -121.580382 ° |
| DWR ID            | DWR_NA0002_01_f_2021_118 |              |    |                        |               |
| Comment Code      |                          |              |    |                        |               |
| V6 : Landscaping  |                          |              |    |                        |               |
| Inspector Comment |                          |              |    |                        |               |
|                   |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_118\_20230206\_00038.jpg



View of landscaping tree on the landside slope (Fall 2021).

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 5.96                    | Rating **    | U  | Issue No.              | 62            |
| LM End            | 5.96                    | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Vegetation              |              |    | 38.129677 °            | 38.129677 °   |
|                   |                         |              |    | -121.579432 °          | -121.579432 ° |
| DWR ID            | DWR_NA0002_01_s_2020_62 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| V6 : Landscaping  |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2023\_NA0002\_62\_62\_20230206\_00024.jpg



View of thick landscape vegetation on the landside slope (Spring 2020).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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  
Unit Cover Sheet**

**Brannan Andrus Levee Maintenance District**

| Waterway                               |                         |                           | Bank                           | Unit Miles                      |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 02 Sacramento River           |                         |                           | Left                           | 11.54                           |
|  | 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                     | 5/11/2023 - 5/11/2023   |                           |                                |                                 |
| DWR Inspector                          | Saskia Donovan          |                           |                                |                                 |
| Accompanied By                         | Oleg Yakimov<br>DWR     |                           |                                |                                 |

**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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|                   |                         |              |    |                        |              |
|-------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start          | 0.43                    | Rating **    | M  | Issue No.              | 26           |
| LM End            | 0.43                    | Issue Type + | En | Location *             | LS           |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                   |                         |              |    | Start                  | End          |
| Item              | Encroachments           |              |    | 38.189212°             | 38.189212°   |
|                   |                         |              |    | -121.574757°           | -121.574757° |
| DWR ID            | DWR_NA0002_02_s_2012_26 |              |    |                        |              |
| Comment Code      |                         |              |    |                        |              |
| FE : Fence        |                         |              |    |                        |              |
| Inspector Comment |                         |              |    |                        |              |
|                   |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_26\_20230206\_00006.jpg



View of the fence on the LS shoulder and slope (Fall 2022).

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | 0.72                    | Rating **    | U  | Issue No.              | 97           |
| LM End   | 0.72                    | Issue Type + | Ma | Location *             | LS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Trim / Thin Trees       |              |    | 38.187102°             | 38.187102°   |
|  |                         |              |    | -121.579463°           | -121.579463° |
| DWR ID   | DWR_NA0002_02_f_2018_97 |              |    |                        |              |
| Comment Code   |                         |              |    |                        |              |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. |                         |              |    |                        |              |
| Inspector Comment  |                         |              |    |                        |              |
| Fig tree on the landside toe needs trimming.   |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_97\_20230206\_00046.jpg



View of the fig tree on the LS slope (Fall 2022).

|                   |                        |              |    |                        |              |
|-------------------|------------------------|--------------|----|------------------------|--------------|
| LM Start          | 0.80                   | Rating **    | M  | Issue No.              | 8            |
| LM End            | 0.83                   | Issue Type + | En | Location *             | LS           |
| Category          | Earthen Levee          |              |    | GPS Latitude/Longitude |              |
|                   |                        |              |    | Start                  | End          |
| Item              | Vegetation             |              |    | 38.186410°             | 38.186172°   |
|                   |                        |              |    | -121.580616°           | -121.581023° |
| DWR ID            | DWR_NA0002_02_s_2012_8 |              |    |                        |              |
| Comment Code      |                        |              |    |                        |              |
| V6 : Landscaping  |                        |              |    |                        |              |
| Inspector Comment |                        |              |    |                        |              |
|                   |                        |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_8\_20230206\_00002.jpg



View of the landscaping on the LS shoulder and slope (Fall 2022).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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  |  | <b>+ Issue Type</b><br>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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                      |              |    |                        |              |
|----------|----------------------|--------------|----|------------------------|--------------|
| LM Start | 0.83                 | Rating **    | M  | Issue No.              | 1            |
| LM End   | 0.83                 | Issue Type + | En | Location *             |              |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |              |
|          |                      |              |    | Start                  | End          |
| Item     | DWR UCIP Field Study |              |    | 38.186199°             | 38.186199°   |
|          |                      |              |    | -121.580968°           | -121.580968° |
| DWR ID   | 21868                |              |    |                        |              |

**Comment Code**

**Inspector Comment**

DS\_ID:21868  
FS\_ID:74880  
EP\_NO: 1173  
Repair Type: Non-Urgent  
EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit  
Crossing Status: Found  
UCIP Comments: 04/19/2022 Record remains Non-Urgent. Siphon breaker and CMP riser removed from landside slope. Air release valve and irrigation hose connection installed on waterside shoulder. Pump on pier was replaced. Unable to find a permit for modification. Pipe is running for irrigation of waterside berm via attached hose. (O.Yakimov - DWR UCIP)  
04/18/2013 Several patches on pipe, walkway in disrepair and 24-inch standpipe for siphon breaker on LS slope has been dislodged from the LS slope and rests at LS toe. Pipe appears to be failing at multiple places due to corrosion. (W.Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 12-inch irrigation pipe of an unknown material through the levee, 7 feet below the crown. Pump on pile structure with a walkway in the river. Siphon breaker in 24-inch corrugated metal riser unit on the landside (LS) slope with a 7-foot by 9-foot concrete distribution box on the LS toe. Service pole on the LS slope with a 1.5-inch galvanized iron electrical conduit at the same location. (12-inch steel discharge pipe (B) authorized under Permit No. 1173, 1947 - Reclamation District No. 556). [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.82). USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station "H" 52+21), listed as 12-inch pipe. USACE As-Built Drawing No. 50-04-2277, March 1946, Sheet 1, Station 52+21 "H"].  
FS Date: 4/19/2022 8:06:58 AM

Photo 1 of 3 : UCIP\_SP\_2023\_74880\_112077.jpg



Land-Side: View inside of concrete distribution box at levee toe

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                      |              |    |                        |              |
|----------|----------------------|--------------|----|------------------------|--------------|
| LM Start | 0.83                 | Rating **    | M  | Issue No.              | 1 (cont)     |
| LM End   | 0.83                 | Issue Type + | En | Location *             |              |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |              |
|          |                      |              |    | Start                  | End          |
| Item     | DWR UCIP Field Study |              |    | 38.186199°             | 38.186199°   |
|          |                      |              |    | -121.580968°           | -121.580968° |
| DWR ID   | 21868                |              |    |                        |              |

Photo 2 of 3 : UCIP\_SP\_2023\_74880\_112083.jpg



Land-Side: Air release valve and hose connection on levee shoulder

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>0.83</b> | Rating **    | M  | Issue No.  | <b>1 (cont)</b> |
| LM End   | <b>0.83</b> | Issue Type + | En | Location * |                 |

Photo 3 of 3 : UCIP\_SP\_2023\_74880\_112076.jpg



Water-Side: New pump located on pile structure in the stream

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | 1.08                    | Rating **    | U  | Issue No.              | 47           |
| LM End   | 1.08                    | Issue Type + | Ma | Location *             | WS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Trim / Thin Trees       |              |    | 38.183458°             | 38.183458°   |
|  |                         |              |    | -121.584065°           | -121.584065° |
| DWR ID   | DWR_NA0002_02_f_2020_47 |              |    |                        |              |
| Comment Code                                       |                         |              |    |                        |              |
| T2 : Tree or limb.                                 |                         |              |    |                        |              |
| Inspector Comment                                  |                         |              |    |                        |              |
| Remove down tree within 20' of waterside shoulder. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_47\_20230206\_00010.jpg



View of down tree on the waterside slope (Spring 2022).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|   |                           |              |    |                        |              |
|---|---------------------------|--------------|----|------------------------|--------------|
| LM Start  | 1.14                      | Rating **    | U  | Issue No.              | 66           |
| LM End  | 1.14                      | Issue Type + | Ma | Location *             | WS           |
| Category  | Earthen Levee             |              |    | GPS Latitude/Longitude |              |
|   |                           |              |    | Start                  | End          |
| Item  | Erosion / Vehicle Traffic |              |    | 38.182772°             | 38.182772°   |
|   |                           |              |    | -121.584689°           | -121.584689° |
| DWR ID  | DWR_NA0002_02_s_2022_66   |              |    |                        |              |
| Comment Code  |                           |              |    |                        |              |
| E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                           |              |    |                        |              |
| Inspector Comment   |                           |              |    |                        |              |
|   |                           |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_66\_20230206\_00020.jpg



View of damage due to vehicle going off the road on the waterside slope (Spring 2022).

|   |                          |              |    |                        |              |
|---|--------------------------|--------------|----|------------------------|--------------|
| LM Start                                | 1.33                     | Rating **    | U  | Issue No.              | 166          |
| LM End                                  | 1.33                     | Issue Type + | Ma | Location *             | WS           |
| Category                                | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|   |                          |              |    | Start                  | End          |
| Item                                    | Trim / Thin Trees        |              |    | 38.180455°             | 38.180455°   |
|   |                          |              |    | -121.586522°           | -121.586522° |
| DWR ID                                  | DWR_NA0002_02_f_2022_166 |              |    |                        |              |
| Comment Code                            |                          |              |    |                        |              |
| T2 : Tree or limb.                      |                          |              |    |                        |              |
| Inspector Comment                       |                          |              |    |                        |              |
| There is a fallen tree on the WS slope. |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_166\_20230206\_00065.jpg



View of the tree on the WS slope (Fall 2022).

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start                                     | 1.46                    | Rating **    | U  | Issue No.              | 52           |
| LM End                                       | 1.46                    | Issue Type + | Ma | Location *             | WS           |
| Category                                     | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Trim / Thin Trees       |              |    | 38.178865°             | 38.178865°   |
|  |                         |              |    | -121.587763°           | -121.587763° |
| DWR ID                                       | DWR_NA0002_02_s_2021_52 |              |    |                        |              |
| Comment Code                                 |                         |              |    |                        |              |
| T3 : Fallen tree with root ball.             |                         |              |    |                        |              |
| Inspector Comment                            |                         |              |    |                        |              |
| Remove large fallen tree on waterside slope. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_52\_20230206\_00014.jpg



View of downed tree and limbs on waterside slope (Spring 2021).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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  |  | <b>+ Issue Type</b><br>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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|   |                          |              |    |                        |              |
|---|--------------------------|--------------|----|------------------------|--------------|
| LM Start                                    | 1.46                     | Rating **    | M  | Issue No.              | 102          |
| LM End                                      | 1.46                     | Issue Type + | Ma | Location *             | LS           |
| Category                                    | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|   |                          |              |    | Start                  | End          |
| Item  | Encroachments            |              |    | 38.178790°             | 38.178790°   |
|   |                          |              |    | -121.587784°           | -121.587784° |
| DWR ID                                      | DWR_NA0002_02_s_2021_102 |              |    |                        |              |
| Comment Code                                |                          |              |    |                        |              |
| PR : Prunings                               |                          |              |    |                        |              |
| Inspector Comment                           |                          |              |    |                        |              |
| Remove tree prunings on the landside slope. |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_102\_20230206\_00049.jpg



View of pruned tree limbs on the landside shoulder (Spring 2022).

|                   |                         |              |    |                        |              |
|-------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start          | 1.64                    | Rating **    | N  | Issue No.              | 78           |
| LM End            | 1.64                    | Issue Type + | Ma | Location *             | WS           |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                   |                         |              |    | Start                  | End          |
| Item              | Trim / Thin Trees       |              |    | 38.176532°             | 38.176532°   |
|                   |                         |              |    | -121.589478°           | -121.589478° |
| DWR ID            | DWR_NA0002_02_f_2018_78 |              |    |                        |              |
| Comment Code      |                         |              |    |                        |              |
| T5 : Tree stumps. |                         |              |    |                        |              |
| Inspector Comment |                         |              |    |                        |              |
|                   |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_78\_20230206\_00031.jpg



View of the stump and logs on the WS slope (Fall 2022).

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start                                   | 1.69                    | Rating **    | M  | Issue No.              | 79           |
| LM End                                     | 1.69                    | Issue Type + | Ma | Location *             | WS           |
| Category                                   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item                                       | Trim / Thin Trees       |              |    | 38.175867°             | 38.175867°   |
|  |                         |              |    | -121.589884°           | -121.589884° |
| DWR ID                                     | DWR_NA0002_02_f_2018_79 |              |    |                        |              |
| Comment Code                               |                         |              |    |                        |              |
| T2 : Tree or limb.                         |                         |              |    |                        |              |
| Inspector Comment                          |                         |              |    |                        |              |
| Remove tree limb from the waterside slope. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_79\_20230206\_00032.jpg



View of the tree limb on the WS slope (Fall 2022).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                      |              |    |                        |              |
|----------|----------------------|--------------|----|------------------------|--------------|
| LM Start | 1.76                 | Rating **    | U  | Issue No.              | 2            |
| LM End   | 1.76                 | Issue Type + | En | Location *             |              |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |              |
|          |                      |              |    | Start                  | End          |
| Item     | DWR UCIP Field Study |              |    | 38.175017°             | 38.175017°   |
|          |                      |              |    | -121.590410°           | -121.590410° |
| DWR ID   | 21871                |              |    |                        |              |

**Comment Code**

**Inspector Comment**

DS\_ID:21871  
FS\_ID:74939  
EP\_NO: 1173  
Repair Type: Urgent  
EVAL Issue: 2a, Levee Integrity  
Crossing Status: Found  
UCIP Comments: 04/28/2022 Record updated from No Action Needed to Urgent. Excavation at landside levee toe sized 2.5 feet diameter and 2 feet deep to connect underground 6-inch PVC pipe. 6-inch steel pipe sleeved through the 12-inch pipe as seen on waterside slope, steel plate welded to cover the annular space. Steel riser at landside toe replaced with CPP riser with air release valve and butterfly valve inside. Unable to find a permit for modifications. (O.Yakimov - DWR UCIP)  
FIELD\_STRUCT\_DESC: 6-inch steel pipe sleeved through the 12-inch steel irrigation pipe through the levee, 7 feet below the crown. Shutoff valve at pump on the waterside (WS) berm. Service pole and siphon breaker inside a steel riser unit on the landside (LS) slope. 5-inch service connection at the LS toe. 1.5-inch galvanized iron electrical conduit at the same location. (12-inch steel discharge pipe (C) authorized under Permit No. 1173, 1947 - Reclamation District No. 556). [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.76), listed as 12-inch pipe. USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station "H" 14+64), listed as 12-inch pipe. USACE As-Built Drawing No. 50-04-2277, March 1946, Sheet 1, Station 14+64 "H", listed as 12-inch pipe].  
FS Date: 4/28/2022 10:47:04 AM

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>1.76</b> | Rating **    | U  | Issue No.  | <b>2 (cont)</b> |
| LM End   | <b>1.76</b> | Issue Type + | En | Location * |                 |

Photo 1 of 3 : UCIP\_SP\_2023\_74939\_112137.jpg



Water-Side: Pump and electrical panel on the berm

Photo 2 of 3 : UCIP\_SP\_2023\_74939\_112138.jpg



Water-Side: Sleeving point on levee slope. Annular space covered with steel plate

|  |  |   |  |  |  |
|--|--|---|--|--|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector      |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia Donovan |

|          |                      |              |    |                        |              |
|----------|----------------------|--------------|----|------------------------|--------------|
| LM Start | 1.76                 | Rating **    | U  | Issue No.              | 2 (cont)     |
| LM End   | 1.76                 | Issue Type + | En | Location *             |              |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |              |
|          |                      |              |    | Start                  | End          |
| Item     | DWR UCIP Field Study |              |    | 38.175017°             | 38.175017°   |
|          |                      |              |    | -121.590410°           | -121.590410° |
| DWR ID   | 21871                |              |    |                        |              |

Photo 3 of 3 : UCIP\_SP\_2023\_74939\_112136.jpg



Land-Side: Corrugated Plastic Pipe (CPP) riser with air release valve and butterfly valve inside

|                    |                         |              |    |                        |              |
|--------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start           | 1.78                    | Rating **    | M  | Issue No.              | 49           |
| LM End             | 1.78                    | Issue Type + | Ma | Location *             | WS           |
| Category           | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                    |                         |              |    | Start                  | End          |
| Item               | Trim / Thin Trees       |              |    | 38.174762°             | 38.174762°   |
|                    |                         |              |    | -121.590582°           | -121.590582° |
| DWR ID             | DWR_NA0002_02_f_2021_49 |              |    |                        |              |
| Comment Code       |                         |              |    |                        |              |
| T2 : Tree or limb. |                         |              |    |                        |              |
| Inspector Comment  |                         |              |    |                        |              |
|                    |                         |              |    |                        |              |

No Photos

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | 1.80                    | Rating **    | U  | Issue No.              | 45           |
| LM End   | 1.83                    | Issue Type + | En | Location *             | LS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Vegetation              |              |    | 38.174437°             | 38.174058°   |
|  |                         |              |    | -121.590786°           | -121.590978° |
| DWR ID   | DWR_NA0002_02_f_2013_45 |              |    |                        |              |
| Comment Code   |                         |              |    |                        |              |
| V6 : Landscaping   |                         |              |    |                        |              |
| Inspector Comment  |                         |              |    |                        |              |
| Dense vegetation and cactus are on the landside slope and toe. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_45\_20230206\_00009.jpg



View of the cactus and other landscaping on the LS slope (Fall 2022).

|                   |                      |                          |   |                                   |  |
|-------------------|----------------------|--------------------------|---|-----------------------------------|--|
| <b>* Location</b> |                      | <b>** Rating</b>         |   | <b>+ Issue Type</b>               |  |
| 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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | 1.81                    | Rating **    | U  | Issue No.              | 96           |
| LM End   | 1.81                    | Issue Type + | Ma | Location *             | LS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Trim / Thin Trees       |              |    | 38.174316°             | 38.174316°   |
|  |                         |              |    | -121.590830°           | -121.590830° |
| DWR ID   | DWR_NA0002_02_s_2021_96 |              |    |                        |              |
| Comment Code                                     |                         |              |    |                        |              |
| T2 : Tree or limb.                               |                         |              |    |                        |              |
| Inspector Comment                                |                         |              |    |                        |              |
| Remove large down tree branch on landside slope. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_96\_20230206\_00045.jpg



Down tree limb on the landside hinge (Spring 2021).

|   |                         |              |    |                        |              |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start  | 1.85                    | Rating **    | U  | Issue No.              | 38           |
| LM End  | 1.85                    | Issue Type + | Ma | Location *             | LS           |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|   |                         |              |    | Start                  | End          |
| Item  | Trim / Thin Trees       |              |    | 38.173867°             | 38.173867°   |
|   |                         |              |    | -121.591099°           | -121.591099° |
| DWR ID  | DWR_NA0002_02_s_2023_38 |              |    |                        |              |
| Comment Code                                      |                         |              |    |                        |              |
| T3 : Fallen tree with root ball.                  |                         |              |    |                        |              |
| Inspector Comment                                 |                         |              |    |                        |              |
| Two fallen trees with root balls on the LS slope. |                         |              |    |                        |              |

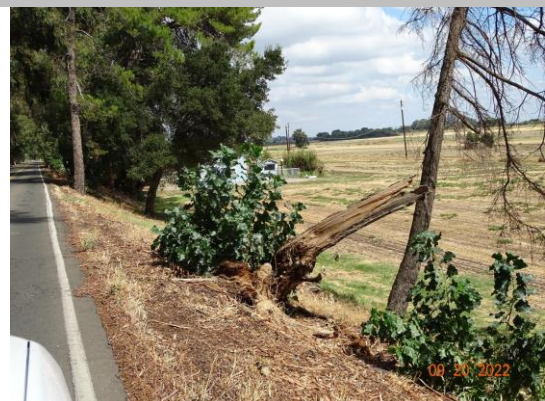
Photo 1 of 1 : SP\_2023\_NA0002\_63\_38\_20230518\_00165.jpg



View of the fallen trees with root balls on the LS slope (Spring 2023).

|  |                          |              |    |                        |              |
|--|--------------------------|--------------|----|------------------------|--------------|
| LM Start   | 1.89                     | Rating **    | U  | Issue No.              | 137          |
| LM End   | 1.89                     | Issue Type + | Ma | Location *             | LS           |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|  |                          |              |    | Start                  | End          |
| Item   | Trim / Thin Trees        |              |    | 38.173273°             | 38.173273°   |
|  |                          |              |    | -121.591468°           | -121.591468° |
| DWR ID   | DWR_NA0002_02_f_2021_137 |              |    |                        |              |
| Comment Code                                     |                          |              |    |                        |              |
| T2 : Tree or limb.                               |                          |              |    |                        |              |
| Inspector Comment                                |                          |              |    |                        |              |
| Remove large downed tree limb on landside slope. |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_137\_20230206\_00061.jpg



View of the tree on the LS slope (Fall 2022).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|  |                          |              |    |                        |              |
|--|--------------------------|--------------|----|------------------------|--------------|
| LM Start   | 1.91                     | Rating **    | U  | Issue No.              | 12           |
| LM End   | 1.94                     | Issue Type + | En | Location *             | LS           |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|  |                          |              |    | Start                  | End          |
| Item   | Vegetation               |              |    | 38.173030°             | 38.172598°   |
|  |                          |              |    | -121.591624°           | -121.591853° |
| DWR ID   | DWR_NA0002_02_s_ 2012_12 |              |    |                        |              |
| Comment Code   |                          |              |    |                        |              |
| V6 : Landscaping                                       |                          |              |    |                        |              |
| Inspector Comment                                      |                          |              |    |                        |              |
| Dense landscaping vegetation is on the landside slope. |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_12\_20230206\_00003.jpg



View looking downstream at landscaping on the landside slope (Spring 2021).

|                    |                          |              |    |                        |              |
|--------------------|--------------------------|--------------|----|------------------------|--------------|
| LM Start           | 1.97                     | Rating **    | M  | Issue No.              | 48           |
| LM End             | 1.97                     | Issue Type + | Ma | Location *             | WS           |
| Category           | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|                    |                          |              |    | Start                  | End          |
| Item               | Trim / Thin Trees        |              |    | 38.172292°             | 38.172292°   |
|                    |                          |              |    | -121.592124°           | -121.592124° |
| DWR ID             | DWR_NA0002_02_f_ 2020_48 |              |    |                        |              |
| Comment Code       |                          |              |    |                        |              |
| T2 : Tree or limb. |                          |              |    |                        |              |
| Inspector Comment  |                          |              |    |                        |              |
|                    |                          |              |    |                        |              |

No Photos

|   |                          |              |    |                        |              |
|---|--------------------------|--------------|----|------------------------|--------------|
| LM Start                                      | 1.99                     | Rating **    | U  | Issue No.              | 95           |
| LM End  | 1.99                     | Issue Type + | Ma | Location *             | LS           |
| Category                                      | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|   |                          |              |    | Start                  | End          |
| Item  | Trim / Thin Trees        |              |    | 38.171939°             | 38.171939°   |
|   |                          |              |    | -121.592337°           | -121.592337° |
| DWR ID  | DWR_NA0002_02_s_ 2021_95 |              |    |                        |              |
| Comment Code                                  |                          |              |    |                        |              |
| T2 : Tree or limb.                            |                          |              |    |                        |              |
| Inspector Comment                             |                          |              |    |                        |              |
| Remove down tree limbs on the landside slope. |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_95\_20230518\_00163.jpg



View of the tree limbs on the LS slope (Spring 2023).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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  |  | <b>+ Issue Type</b><br>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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|  |                      |              |    |                        |              |  |
|--|----------------------|--------------|----|------------------------|--------------|--|
| LM Start   | 2.00                 | Rating **    | M  | Issue No.              | 3            |  |
| LM End   | 2.00                 | Issue Type + | En | Location *             |              |  |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |              |  |
|  |                      |              |    | Start                  | End          |  |
| Item   | DWR UCIP Field Study |              |    | 38.171898°             | 38.171898°   |  |
|  |                      |              |    | -121.592355°           | -121.592355° |  |
| DWR ID   | 21873                |              |    |                        |              |  |
| Comment Code   |                      |              |    |                        |              |  |
|  |                      |              |    |                        |              |  |
| Inspector Comment  |                      |              |    |                        |              |  |
| DS_ID:21873<br>FS_ID:74945<br>EP_NO: 1173<br>Repair Type: Non-Urgent<br>EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit<br>Crossing Status: Found<br>UCIP Comments: 04/28/2022 Record updated from No Action Needed to Non-Urgent. 10-inch steel pipe sleeved through 12-inch at the pump on waterside berm. Unable to find a permit for modification. Siphone breaker and CMP riser on landside slope buried in debris. (O.Yakimov - DWR UCIP)<br>FIELD_STRUCT_DESC: 10-inch steel pipe sleeved through 12-inch steel irrigation pipe through the levee, 7 feet below the crown. Pump on the waterside (WS) berm. Siphon breaker in 24-inch corrugated metal riser unit on the landside (LS) slope. 36-inch concrete stand pipe at the LS toe. Service pole on the LS slope. (12-inch steel discharge pipe (D) authorized under Permit No. 1173, 1947 - Reclamation District No. 556). [Additional Reference(s): DWR Levee Log, 2005 (HLM 2.00), listed as 12-inch pipe. USACE Sacramento O&M Manual, Unit 103, June 1954, Revised 29 December 2016, (Station "H" 2+00), listed as 12-inch pipe. USACE As-Built Drawing No. 50-04-2277, March 1946, Sheet 1, Station 2+00 "H", listed as 12-inch pipe].<br>FS Date: 4/28/2022 11:26:22 AM |                      |              |    |                        |              |  |

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>2.00</b> | Rating **    | M  | Issue No.  | <b>3 (cont)</b> |
| LM End   | <b>2.00</b> | Issue Type + | En | Location * |                 |

Photo 1 of 3 : UCIP\_SP\_2023\_74945\_112152.jpg



Land-Side: View of levee slope looking from crown. CMP riser buried in debris on levee slope

Photo 2 of 3 : UCIP\_SP\_2023\_74945\_112153.jpg



Land-Side: Service pole with electrical panel and concrete standpipe at levee toe

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                      |              |    |                        |                 |
|----------|----------------------|--------------|----|------------------------|-----------------|
| LM Start | <b>2.00</b>          | Rating **    | M  | Issue No.              | <b>3 (cont)</b> |
| LM End   | <b>2.00</b>          | Issue Type + | En | Location *             |                 |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |                 |
|          |                      |              |    | Start                  | End             |
| Item     | DWR UCIP Field Study |              |    | 38.171898 °            | 38.171898 °     |
|          |                      |              |    | -121.592355 °          | -121.592355 °   |
| DWR ID   | 21873                |              |    |                        |                 |

Photo 3 of 3 : UCIP\_SP\_2023\_74945\_19761.jpg



Pump on WS berm.

|                    |                         |              |    |                        |               |
|--------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start           | 2.00                    | Rating **    | M  | Issue No.              | 37            |
| LM End             | 2.00                    | Issue Type + | Ma | Location *             | LS            |
| Category           | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                    |                         |              |    | Start                  | End           |
| Item               | Trim / Thin Trees       |              |    | 38.171888 °            | 38.171888 °   |
|                    |                         |              |    | -121.592382 °          | -121.592382 ° |
| DWR ID             | DWR_NA0002_02_s_2023_37 |              |    |                        |               |
| Comment Code       |                         |              |    |                        |               |
| T2 : Tree or limb. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
|                    |                         |              |    |                        |               |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|   |                      |              |    |                        |              |  |
|---|----------------------|--------------|----|------------------------|--------------|--|
| LM Start  | 2.02                 | Rating **    | M  | Issue No.              | 4            |  |
| LM End  | 2.02                 | Issue Type + | En | Location *             |              |  |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |              |  |
|   |                      |              |    | Start                  | End          |  |
| Item  | DWR UCIP Field Study |              |    | 38.171546°             | 38.171546°   |  |
|   |                      |              |    | -121.592570°           | -121.592570° |  |
| DWR ID  | 23134                |              |    |                        |              |  |
| Comment Code  |                      |              |    |                        |              |  |
|   |                      |              |    |                        |              |  |
| Inspector Comment   |                      |              |    |                        |              |  |
| DS_ID:23134<br>FS_ID:75041<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>EVAL Issue: 11, Maintenance Compliance Issue<br>Crossing Status: Indicator Found<br>UCIP Comments: 04/28/2022 Record updated from No Action Needed to Non-Urgent. Junction pole at landside shoulder is in failing condition due to slope stability issue. There was an attempt to stabilize the slope by placing retaining boards around the pole. No permit has been found authorizing this pipe through the levee. (O.Yakimov - DWR UCIP)<br>FIELD_STRUCT_DESC: Galvanized iron electrical conduit of an unknown size through the levee, at an unknown depth. JP and meter on the landside (LS) shoulder. Electrical connection boxes on waterside road shoulder and on upstream side of the bridge.<br>FS Date: 4/28/2022 2:07:00 PM |                      |              |    |                        |              |  |

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>2.02</b> | Rating **    | M  | Issue No.  | <b>4 (cont)</b> |
| LM End   | <b>2.02</b> | Issue Type + | En | Location * |                 |

Photo 1 of 3 : UCIP\_SP\_2023\_75041\_112186.jpg



Top of Levee: View of levee crown looking from landside

Photo 2 of 3 : UCIP\_SP\_2023\_75041\_112188.jpg



Water-Side: Electrical boxes on upstream side of bridge

|  |  |   |   |
|--|--|---|---|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                      |              |                        |              |                 |
|----------|----------------------|--------------|------------------------|--------------|-----------------|
| LM Start | <b>2.02</b>          | Rating **    | M                      | Issue No.    | <b>4 (cont)</b> |
| LM End   | <b>2.02</b>          | Issue Type + | En                     | Location *   |                 |
| Category | Supplemental         |              | GPS Latitude/Longitude |              |                 |
|          |                      |              | Start                  | End          |                 |
| Item     | DWR UCIP Field Study |              | 38.171546°             | 38.171546°   |                 |
|          |                      |              | -121.592570°           | -121.592570° |                 |
| DWR ID   | 23134                |              |                        |              |                 |

Photo 3 of 3 : UCIP\_SP\_2023\_75041\_112187.jpg



Water-Side: View of levee berm looking from crown

|   |                          |              |    |                        |              |
|---|--------------------------|--------------|----|------------------------|--------------|
| LM Start  | 2.13                     | Rating **    | M  | Issue No.              | 136          |
| LM End  | 2.13                     | Issue Type + | Ma | Location *             | LS           |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|   |                          |              |    | Start                  | End          |
| Item  | Animal Control           |              |    | 38.170217°             | 38.170217°   |
|   |                          |              |    | -121.593602°           | -121.593602° |
| DWR ID  | DWR_NA0002_02_f_2021_136 |              |    |                        |              |
| Comment Code  |                          |              |    |                        |              |
| A1 : Exterminate rodents and backfill and compact or grout burrows. |                          |              |    |                        |              |
| Inspector Comment   |                          |              |    |                        |              |
|   |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_136\_20230206\_00060.jpg



View of animal holes in the landside slope (Fall 2021).

|  |                          |              |    |                        |              |
|--|--------------------------|--------------|----|------------------------|--------------|
| LM Start   | 2.16                     | Rating **    | M  | Issue No.              | 120          |
| LM End   | 2.16                     | Issue Type + | Ma | Location *             | LS           |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|  |                          |              |    | Start                  | End          |
| Item   | Trim / Thin Trees        |              |    | 38.169853°             | 38.169853°   |
|  |                          |              |    | -121.593828°           | -121.593828° |
| DWR ID   | DWR_NA0002_02_f_2016_120 |              |    |                        |              |
| Comment Code   |                          |              |    |                        |              |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. |                          |              |    |                        |              |
| Inspector Comment  |                          |              |    |                        |              |
| Fig tree on the landside slope.  |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_120\_20230206\_00054.jpg



View of the fig tree on the LS slope (Fall 2022).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | 2.34                    | Rating **    | M  | Issue No.              | 25           |
| LM End   | 2.38                    | Issue Type + | Ma | Location *             | LS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Trim / Thin Trees       |              |    | 38.167627°             | 38.167152°   |
|  |                         |              |    | -121.595538°           | -121.595997° |
| DWR ID   | DWR_NA0002_02_s_2012_25 |              |    |                        |              |
| Comment Code   |                         |              |    |                        |              |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. |                         |              |    |                        |              |
| Inspector Comment  |                         |              |    |                        |              |
|  |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_25\_20230206\_00005.jpg



View of the trees along the LS shoulder (Fall 2022).

|   |                         |              |    |                        |              |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start  | 2.42                    | Rating **    | U  | Issue No.              | 99           |
| LM End  | 2.42                    | Issue Type + | Ma | Location *             | LS           |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|   |                         |              |    | Start                  | End          |
| Item  | Vegetation              |              |    | 38.166772°             | 38.166772°   |
|   |                         |              |    | -121.596667°           | -121.596667° |
| DWR ID  | DWR_NA0002_02_s_2014_99 |              |    |                        |              |
| Comment Code  |                         |              |    |                        |              |
| V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes. |                         |              |    |                        |              |
| Inspector Comment   |                         |              |    |                        |              |
| Dense willows on the landside slope.  |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_99\_20230206\_00048.jpg



View of the vegetation on the LS slope (Fall 2022).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|   |                             |              |    |                        |              |  |
|---|-----------------------------|--------------|----|------------------------|--------------|--|
| LM Start  | 2.54                        | Rating **    | U  | Issue No.              | 5            |  |
| LM End  | 2.54                        | Issue Type + | Ma | Location *             |              |  |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |              |  |
|   |                             |              |    | Start                  | End          |  |
| Item  | DWR UCIP LMA Responsibility |              |    | 38.165980°             | 38.165980°   |  |
|   |                             |              |    | -121.598520°           | -121.598520° |  |
| DWR ID  | 21879                       |              |    |                        |              |  |
| Comment Code  |                             |              |    |                        |              |  |
|   |                             |              |    |                        |              |  |
| Inspector Comment   |                             |              |    |                        |              |  |
| DS_ID:21879<br>FS_ID:75100<br>EP_NO: N/A<br>Repair Type: Urgent<br>EVAL Issue: 1, Pipe Integrity<br>Crossing Status: Found<br>UCIP Comments: 04/19/2022 Record updated from Non-Urgent to Urgent. Flood risk to landside due to the tunnel is open on both ends. DMP internal video inspection has found integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)<br>07/12/2018 Tunnel is open on both sides. No integrity issue observed, therefore crossing downgraded to "Non-Urgent". (O.Yakimov-DWR UCIP)<br>10/24/2016 same as previous inspection culvert is open on both ends. WS blocked by blankets -- WS structure is being used as a shelter. (O. Magana - DWR UCIP)<br>04/18/2013 Culvert open on both ends. Needs to be abandoned properly. (W. Wylie - DWR UCIP)<br>FIELD_STRUCT_DESC: 42-inch by 42-inch open reinforced concrete culvert through the levee, 6 feet below the crown. [Additional Reference(s): DWR Levee Log, 2005 (HLM 2.54), listed as abandoned 3-feet by 3.5-feet open concrete culvert. USACE Sacramento O&M Manual 103, June 1954, (RM 18.16) Drawing No. 6-13-1100].<br>USACE As-Built Drawing No. 06-13-1100, January 1933, Sheet 18, RM 18.16, listed as 3.5-foot by 3.5-foot concrete box].<br>FS Date: 4/19/2022 11:02:31 AM |                             |              |    |                        |              |  |

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>2.54</b> | Rating **    | U  | Issue No.  | <b>5 (cont)</b> |
| LM End   | <b>2.54</b> | Issue Type + | Ma | Location * |                 |

Photo 1 of 3 : UCIP\_SP\_2023\_75100\_112246.jpg



Water-Side: View of the waterward end of tunnel

Photo 2 of 3 : UCIP\_SP\_2023\_75100\_112250.jpg



Land-Side: View of the landward end of tunnel

|  |  |   |   |
|--|--|---|---|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                             |              |    |                        |              |  |
|----------|-----------------------------|--------------|----|------------------------|--------------|--|
| LM Start | 2.54                        | Rating **    | U  | Issue No.              | 5 (cont)     |  |
| LM End   | 2.54                        | Issue Type + | Ma | Location *             |              |  |
| Category | Supplemental                |              |    | GPS Latitude/Longitude |              |  |
|          |                             |              |    | Start                  | End          |  |
| Item     | DWR UCIP LMA Responsibility |              |    | 38.165980°             | 38.165980°   |  |
|          |                             |              |    | -121.598520°           | -121.598520° |  |
| DWR ID   | 21879                       |              |    |                        |              |  |

Photo 3 of 3 : UCIP\_SP\_2023\_75100\_112247.jpg



Overview of Levee: Photo taken inside of tunnel

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.56                      | Rating **    | M  | Issue No.              | 82            |
| LM End   | 2.56                      | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | Erosion / Foot Traffic    |              |    | 38.165898 °            | 38.165898 °   |
|  |                           |              |    | -121.598888 °          | -121.598888 ° |
| DWR ID   | DWR_NA0002_02_f _ 2017_82 |              |    |                        |               |
| Comment Code   |                           |              |    |                        |               |
| E3 : Repair the levee slope damaged by foot traffic and prevent access where possible. |                           |              |    |                        |               |
| Inspector Comment  |                           |              |    |                        |               |
| There is a footpath digging into the levee slope.                                      |                           |              |    |                        |               |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_82\_20230518\_00147.jpg



View of the footpath down the WS slope (Spring 2023).

|  |   |  |
|--|---|--|
| <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 | <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|  |                             |              |    |                        |              |  |
|--|-----------------------------|--------------|----|------------------------|--------------|--|
| LM Start   | 2.57                        | Rating **    | U  | Issue No.              | 6            |  |
| LM End   | 2.57                        | Issue Type + | Ma | Location *             |              |  |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |              |  |
|  |                             |              |    | Start                  | End          |  |
| Item   | DWR UCIP LMA Responsibility |              |    | 38.165775°             | 38.165775°   |  |
|  |                             |              |    | -121.599048°           | -121.599048° |  |
| DWR ID   | 21880                       |              |    |                        |              |  |
| Comment Code   |                             |              |    |                        |              |  |
|  |                             |              |    |                        |              |  |
| Inspector Comment  |                             |              |    |                        |              |  |
| DS_ID:21880<br>FS_ID:75101<br>EP_NO: N/A<br>Repair Type: Urgent<br>EVAL Issue: 3b, Flood Risk<br>Crossing Status: Found<br>UCIP Comments: 04/19/2022 Record updated from Non-Urgent to Urgent. Flood risk to landside due to the tunnel is open on both ends. DMP internal video inspection has found pipe integrity issues. LOF of crossing is greater than or equal to 4.1 and less than 5. Crossing will be monitored until funding becomes available for rehabilitation. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)<br>07/12/2018 Tunnel is open on both sides. No integrity issue observed, therefore crossing downgraded to "Non-Urgent". (O.Yakimov-DWR UCIP)<br>10/24/2016 same as previous inspection concrete box culvert will need to be abandoned properly. (O. Magana - DWR UCIP)<br>04/18/2013 tunnel should be abandoned properly. (W. Wylie - DWR UCIP)<br>FIELD_STRUCT_DESC: 48-inch by 48-inch reinforced concrete culvert through the levee, 6.5-inches below the crown. [Additional Reference(s): DWR Levee Log, 2005 (HLM 2.57), listed as abandoned 4-feet by 4-feet open concrete culvert. USACE Sacramento O&M Manual 103, June 1954, (RM 18.13) 3-foot by 3-foot concrete box listed, Drawing No. 6-13-1100].<br>USACE As-Built Drawing No. 06-13-1100, January 1933, Sheet 18, RM 18.13, listed as 3-foot by 3-foot concrete box].<br>FS Date: 4/19/2022 11:22:54 AM |                             |              |    |                        |              |  |

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>2.57</b> | Rating **    | U  | Issue No.  | <b>6 (cont)</b> |
| LM End   | <b>2.57</b> | Issue Type + | Ma | Location * |                 |

Photo 1 of 3 : UCIP\_SP\_2023\_75101\_112251.jpg



Land-Side: View of the landward end of tunnel

Photo 2 of 3 : UCIP\_SP\_2023\_75101\_112254.jpg



Water-Side: View of the waterward end of tunnel

|                |                     |                         |  |                                  |  |
|----------------|---------------------|-------------------------|--|----------------------------------|--|
| * 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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                             |              |                        |              |                 |
|----------|-----------------------------|--------------|------------------------|--------------|-----------------|
| LM Start | <b>2.57</b>                 | Rating **    | U                      | Issue No.    | <b>6 (cont)</b> |
| LM End   | <b>2.57</b>                 | Issue Type + | Ma                     | Location *   |                 |
| Category | Supplemental                |              | GPS Latitude/Longitude |              |                 |
|          |                             |              | Start                  | End          |                 |
| Item     | DWR UCIP LMA Responsibility |              | 38.165775°             | 38.165775°   |                 |
|          |                             |              | -121.599048°           | -121.599048° |                 |
| DWR ID   | 21880                       |              |                        |              |                 |

Photo 3 of 3 : UCIP\_SP\_2023\_75101\_112253.jpg



Water-Side: View of levee slope looking from crown. Concrete box on levee shoulder

|          |                           |              |                        |              |           |
|----------|---------------------------|--------------|------------------------|--------------|-----------|
| LM Start | <b>2.58</b>               | Rating **    | U                      | Issue No.    | <b>71</b> |
| LM End   | <b>2.63</b>               | Issue Type + | Ma                     | Location *   | WS        |
| Category | Supplemental              |              | GPS Latitude/Longitude |              |           |
|          |                           |              | Start                  | End          |           |
| Item     | 2018 USACE Erosion Survey |              | 38.165945°             | 38.165498°   |           |
|          |                           |              | -121.599345°           | -121.600080° |           |
| DWR ID   | DWR_NA0002_02_s_2022_71   |              |                        |              |           |

**Comment Code**

**Inspector Comment**

2018 Site ID: SAC 18.1 L  
Status: Critical  
2018 Field Notes: Increased vegetation made it difficult to see changes.  
Site History: 2009 - Short reach of vertical bank at the toe. 2010 - Large tree is getting ready to fall in. 2015 - Freshly exposed tree roots.  
2017 - Upgraded to CRITICAL. Vertical slope face behind a tree that is likely to pop-out soon.

Photo 1 of 2 : SP\_2023\_NA0002\_63\_71\_20230206\_00026.jpg



USACE 2018 Erosion 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 | <b>N: Not Inspected/Rated</b><br>C: Corrected<br>A/W: Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma: Maintenance Deficiency<br>Ob: Design & System Obsolescence<br>En: Enforcement |
|--|---|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                           |              |    |                        |                  |
|----------|---------------------------|--------------|----|------------------------|------------------|
| LM Start | <b>2.58</b>               | Rating **    | U  | Issue No.              | <b>71 (cont)</b> |
| LM End   | <b>2.63</b>               | Issue Type + | Ma | Location *             | WS               |
| Category | Supplemental              |              |    | GPS Latitude/Longitude |                  |
|          |                           |              |    | Start                  | End              |
| Item     | 2018 USACE Erosion Survey |              |    | 38.165945°             | 38.165498°       |
|          |                           |              |    | -121.599345°           | -121.600080°     |
| DWR ID   | DWR_NA0002_02_s_2022_71   |              |    |                        |                  |

Photo 2 of 2 : SP\_2023\_NA0002\_63\_71\_20230206\_00027.jpg



USACE 2018 Erosion Photo #2

|   |                          |              |    |                        |              |
|---|--------------------------|--------------|----|------------------------|--------------|
| LM Start  | 2.63                     | Rating **    | U  | Issue No.              | 104          |
| LM End  | 2.66                     | Issue Type + | Ma | Location *             | LS           |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|   |                          |              |    | Start                  | End          |
| Item  | Animal Control           |              |    | 38.165310°             | 38.165068°   |
|   |                          |              |    | -121.599987°           | -121.600445° |
| DWR ID  | DWR_NA0002_02_s_2022_104 |              |    |                        |              |
| Comment Code  |                          |              |    |                        |              |
| A1 : Exterminate rodents and backfill and compact or grout burrows. |                          |              |    |                        |              |
| Inspector Comment   |                          |              |    |                        |              |
|   |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_104\_20230206\_00050.jpg



View of animal holes on the landside slope (Spring 2022).

|  |   |  |  |
|--|---|--|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|  |                      |              |    |                        |              |  |
|--|----------------------|--------------|----|------------------------|--------------|--|
| LM Start   | 2.79                 | Rating **    | U  | Issue No.              | 9            |  |
| LM End   | 2.79                 | Issue Type + | En | Location *             |              |  |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |              |  |
|  |                      |              |    | Start                  | End          |  |
| Item   | DWR UCIP Field Study |              |    | 38.164236°             | 38.164236°   |  |
|  |                      |              |    | -121.602379°           | -121.602379° |  |
| DWR ID   | 21955                |              |    |                        |              |  |
| Comment Code   |                      |              |    |                        |              |  |
|  |                      |              |    |                        |              |  |
| Inspector Comment  |                      |              |    |                        |              |  |
| DS_ID:21955<br>FS_ID:75144<br>EP_NO: N/A<br>Repair Type: Urgent<br>EVAL Issue: 3b, Flood Risk<br>Crossing Status: Found<br>UCIP Comments: 04/19/2022 Record updated from No Action Needed to Urgent. Pipe is open on both ends. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)<br>FIELD_STRUCT_DESC: 4-inch pipe of an unknown material or purpose through the levee, at an unknown depth. Steel tank on the landside (LS). [Additional Reference(s): USACE Sacramento O&M Manual 103, June 1954, (RM 17.93) steel pipe listed, Drawing No. 6-13-1100]. USACE As-Built Drawing No. 06-13-1100, January 1933, Sheet 18, RM 17.93].<br>FS Date: 4/19/2022 1:54:30 PM |                      |              |    |                        |              |  |

Photo 1 of 3 : UCIP\_SP\_2023\_75144\_112311.jpg



Land-Side: Open pipe end next to the tree

|          |             |              |    |            |                 |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | <b>2.79</b> | Rating **    | U  | Issue No.  | <b>9 (cont)</b> |
| LM End   | <b>2.79</b> | Issue Type + | En | Location * |                 |

Photo 2 of 3 : UCIP\_SP\_2023\_75144\_112308.jpg



Water-Side: Pipe found on levee slope with its end open

|  |  |   |   |
|--|--|---|---|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                      |              |                        |              |                 |
|----------|----------------------|--------------|------------------------|--------------|-----------------|
| LM Start | <b>2.79</b>          | Rating **    | U                      | Issue No.    | <b>9 (cont)</b> |
| LM End   | <b>2.79</b>          | Issue Type + | En                     | Location *   |                 |
| Category | Supplemental         |              | GPS Latitude/Longitude |              |                 |
|          |                      |              | Start                  | End          |                 |
| Item     | DWR UCIP Field Study |              | 38.164236°             | 38.164236°   |                 |
|          |                      |              | -121.602379°           | -121.602379° |                 |
| DWR ID   | 21955                |              |                        |              |                 |

Photo 3 of 3 : UCIP\_SP\_2023\_75144\_112307.jpg



Water-Side: View of levee slope looking from crown

|          |                          |              |                        |              |            |
|----------|--------------------------|--------------|------------------------|--------------|------------|
| LM Start | <b>2.81</b>              | Rating **    | M                      | Issue No.    | <b>167</b> |
| LM End   | <b>2.81</b>              | Issue Type + | En                     | Location *   | LS         |
| Category | Earthen Levee            |              | GPS Latitude/Longitude |              |            |
|          |                          |              | Start                  | End          |            |
| Item     | Encroachments            |              | 38.164029°             | 38.164029°   |            |
|          |                          |              | -121.602742°           | -121.602742° |            |
| DWR ID   | DWR_NA0002_02_f_2022_167 |              |                        |              |            |

**Comment Code**

RW : Retaining Wall

**Inspector Comment**

There is large crack in a broken off concrete slab on the LS shoulder under which surface erosion rills are present. An old cannery building used to be at this site and there is a retaining wall beneath the erosion. Concrete needs to be removed so erosion rills can be addressed.

Photo 1 of 2 : SP\_2023\_NA0002\_63\_167\_20230206\_00066.jpg



View of the erosion below the crack in the concrete (Fall 2022).

|          |             |              |    |            |                   |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | <b>2.81</b> | Rating **    | M  | Issue No.  | <b>167 (cont)</b> |
| LM End   | <b>2.81</b> | Issue Type + | En | Location * | LS                |

Photo 2 of 2 : SP\_2023\_NA0002\_63\_167\_20230206\_00067.jpg



Looking up the LS slope with the retaining wall in the foreground (Fall 2022).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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  |  | <b>+ Issue Type</b><br>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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|  |                             |              |    |                        |              |  |
|--|-----------------------------|--------------|----|------------------------|--------------|--|
| LM Start   | 2.84                        | Rating **    | U  | Issue No.              | 10           |  |
| LM End   | 2.84                        | Issue Type + | Ma | Location *             |              |  |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |              |  |
|  |                             |              |    | Start                  | End          |  |
| Item   | DWR UCIP LMA Responsibility |              |    | 38.163850°             | 38.163850°   |  |
|  |                             |              |    | -121.603317°           | -121.603317° |  |
| DWR ID   | 21882                       |              |    |                        |              |  |
| Comment Code   |                             |              |    |                        |              |  |
|  |                             |              |    |                        |              |  |
| Inspector Comment  |                             |              |    |                        |              |  |
| DS_ID:21882<br>FS_ID:75147<br>EP_NO: N/A<br>Repair Type: Urgent<br>EVAL Issue: 1, Pipe Integrity<br>Crossing Status: Found<br>UCIP Comments: 04/19/2022 Record updated from Non-Urgent to Urgent. Tunnel is open on both ends. DMP internal video inspection has found pipe integrity issues. LOF of crossing is between 5 and 6. Crossing will be monitored until funding becomes available to address the issues. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)<br>07/12/2018 Tunnel is open on both ends. No integrity issue observed, therefore crossing downgraded to "Non-Urgent". (O.Yakimov-DWR UCIP)10/24/2016 same as previous inspection tunnel is opened on both ends. (O. Magana - DWR UCIP)04/18/2013 Tunnel open on both ends and should be abandoned properly. (W. Wylie - DWR UCIP)<br>FIELD_STRUCT_DESC: 48-inch by 72-inch reinforced concrete culvert through the levee, 1 foot below the crown. [Additional Reference(s): DWR Levee Log, 2005 (HLM 2.82), listed as abandoned 4-feet by 4.5-feet open concrete culvert. USACE Sacramento O&M Manual 103, June 1954, (RM 17.89) 48-inch by 52-inch concrete box listed, Drawing No. 6-13-1100].<br>USACE As-Built Drawing No. 06-13-1100, January 1933, Sheet 18, RM 17.89].<br>FS Date: 4/19/2022 2:01:34 PM |                             |              |    |                        |              |  |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>2.84</b> | Rating **    | U  | Issue No.  | <b>10 (cont)</b> |
| LM End   | <b>2.84</b> | Issue Type + | Ma | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2023\_75147\_112322.jpg



Land-Side: View of the landward end of tunnel

Photo 2 of 3 : UCIP\_SP\_2023\_75147\_112327.jpg



Water-Side: View of the waterward end of tunnel

|  |  |   |   |
|--|--|---|---|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector      |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia Donovan |

|          |                             |              |                        |              |                  |
|----------|-----------------------------|--------------|------------------------|--------------|------------------|
| LM Start | <b>2.84</b>                 | Rating **    | U                      | Issue No.    | <b>10 (cont)</b> |
| LM End   | <b>2.84</b>                 | Issue Type + | Ma                     | Location *   |                  |
| Category | Supplemental                |              | GPS Latitude/Longitude |              |                  |
|          |                             |              | Start                  | End          |                  |
| Item     | DWR UCIP LMA Responsibility |              | 38.163850°             | 38.163850°   |                  |
|          |                             |              | -121.603317°           | -121.603317° |                  |
| DWR ID   | 21882                       |              |                        |              |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_75147\_112323.jpg



Overview of Levee: Photo taken inside of the tunnel

|   |                         |              |    |                        |              |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start  | 2.86                    | Rating **    | M  | Issue No.              | 94           |
| LM End  | 2.86                    | Issue Type + | En | Location *             | LS           |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|   |                         |              |    | Start                  | End          |
| Item  | Encroachments           |              |    | 38.163702°             | 38.163702°   |
|   |                         |              |    | -121.603640°           | -121.603640° |
| DWR ID  | DWR_NA0002_02_f_2015_94 |              |    |                        |              |
| Comment Code                                    |                         |              |    |                        |              |
| FE : Fence                                      |                         |              |    |                        |              |
| Inspector Comment                               |                         |              |    |                        |              |
| The downed fence on the LS has been re-erected. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_94\_20230206\_00043.jpg



View of the fence along the LS toe (Fall 2022).

|  |  |   |   |
|--|--|---|---|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|  |                      |              |    |                        |              |  |
|--|----------------------|--------------|----|------------------------|--------------|--|
| LM Start   | 2.91                 | Rating **    | M  | Issue No.              | 11           |  |
| LM End   | 2.91                 | Issue Type + | En | Location *             |              |  |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |              |  |
|  |                      |              |    | Start                  | End          |  |
| Item   | DWR UCIP Field Study |              |    | 38.163413°             | 38.163413°   |  |
|  |                      |              |    | -121.604399°           | -121.604399° |  |
| DWR ID   | 21884                |              |    |                        |              |  |
| Comment Code   |                      |              |    |                        |              |  |
|  |                      |              |    |                        |              |  |
| Inspector Comment  |                      |              |    |                        |              |  |
| DS_ID:21884<br>FS_ID:75153<br>EP_NO: 14173<br>Repair Type: Non-Urgent<br>EVAL Issue: 11, Maintenance Compliance Issue<br>Crossing Status: Indicator Found<br>UCIP Comments: 04/28/2022 Record remains Non-Urgent.<br>Recommend owner to install markers to show communication line alignment. (O.Yakimov - DWR UCIP)<br>04/18/2013 If pipe is still in use it should be marked properly on levee. (W.Wylie - DWR UCIP)<br>FIELD_STRUCT_DESC: 12-inch steel telephone conduit through the levee, 2 feet below the crown, and under the channel. Four 4-inch galvanized iron conductor pipes sleeved through 12-inch steel conduit. Sign on the waterside (WS) slope of levee across river provides location for this crossing. (12-inch conduit with submarine cable authorized under Permit No. 14173, 1985 - General Telephone Company of California). [Additional Reference(s): DWR Levee Log, 2005 (HLM 2.90), listed as submarine cable].<br>FS Date: 4/28/2022 2:32:50 PM |                      |              |    |                        |              |  |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>2.91</b> | Rating **    | M  | Issue No.  | <b>11 (cont)</b> |
| LM End   | <b>2.91</b> | Issue Type + | En | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2023\_75153\_112350.jpg



Land-Side: View of levee slope looking from crown

Photo 2 of 3 : UCIP\_SP\_2023\_75153\_112351.jpg



Water-Side: View of levee slope looking from crown

|  |  |   |   |
|--|--|---|---|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                      |              |                        |              |                  |
|----------|----------------------|--------------|------------------------|--------------|------------------|
| LM Start | <b>2.91</b>          | Rating **    | M                      | Issue No.    | <b>11 (cont)</b> |
| LM End   | <b>2.91</b>          | Issue Type + | En                     | Location *   |                  |
| Category | Supplemental         |              | GPS Latitude/Longitude |              |                  |
|          |                      |              | Start                  | End          |                  |
| Item     | DWR UCIP Field Study |              | 38.163413°             | 38.163413°   |                  |
|          |                      |              | -121.604399°           | -121.604399° |                  |
| DWR ID   | 21884                |              |                        |              |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_75153\_112352.jpg



Water-Side: Caution sign on opposite side of river still in place

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | 2.93                    | Rating **    | U  | Issue No.              | 30           |
| LM End   | 3.12                    | Issue Type + | En | Location *             | LS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Encroachments           |              |    | 38.163317°             | 38.162707°   |
|  |                         |              |    | -121.604813°           | -121.608262° |
| DWR ID   | DWR_NA0002_02_s_2012_30 |              |    |                        |              |
| Comment Code   |                         |              |    |                        |              |
| UR : Urban   |                         |              |    |                        |              |
| Inspector Comment  |                         |              |    |                        |              |
| There are several encroachments within the town limits along the landside slope. |                         |              |    |                        |              |

Photo 1 of 2 : SP\_2023\_NA0002\_63\_30\_20230206\_00007.jpg



Looking north at several encroachments along landward slope and toe.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>2.93</b> | Rating **    | U  | Issue No.  | <b>30 (cont)</b> |
| LM End   | <b>3.12</b> | Issue Type + | En | Location * | LS               |

Photo 2 of 2 : SP\_2023\_NA0002\_63\_30\_20230206\_00008.jpg



Looking south at several encroachments along landward slope and toe.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable  |  | <b>+ Issue Type</b><br>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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|                               |                          |              |    |                        |              |
|-------------------------------|--------------------------|--------------|----|------------------------|--------------|
| LM Start                      | 2.93                     | Rating **    | M  | Issue No.              | 135          |
| LM End                        | 2.93                     | Issue Type + | En | Location *             | LS           |
| Category                      | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|                               |                          |              |    | Start                  | End          |
| Item                          | Vegetation               |              |    | 38.163270°             | 38.163270°   |
|                               |                          |              |    | -121.604806°           | -121.604806° |
| DWR ID                        | DWR_NA0002_02_f_2021_135 |              |    |                        |              |
| Comment Code                  |                          |              |    |                        |              |
| V6 : Landscaping              |                          |              |    |                        |              |
| Inspector Comment             |                          |              |    |                        |              |
| Cactus on the landside slope. |                          |              |    |                        |              |

No Photos

|  |                          |              |    |                        |              |
|--|--------------------------|--------------|----|------------------------|--------------|
| LM Start   | 3.00                     | Rating **    | M  | Issue No.              | 134          |
| LM End   | 3.00                     | Issue Type + | Ma | Location *             | LS           |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|  |                          |              |    | Start                  | End          |
| Item   | Trim / Thin Trees        |              |    | 38.163002°             | 38.163002°   |
|  |                          |              |    | -121.606060°           | -121.606060° |
| DWR ID   | DWR_NA0002_02_f_2021_134 |              |    |                        |              |
| Comment Code   |                          |              |    |                        |              |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. |                          |              |    |                        |              |
| Inspector Comment  |                          |              |    |                        |              |
|  |                          |              |    |                        |              |

No Photos

|  |                          |              |    |                        |              |
|--|--------------------------|--------------|----|------------------------|--------------|
| LM Start   | 3.08                     | Rating **    | M  | Issue No.              | 133          |
| LM End   | 3.08                     | Issue Type + | Ma | Location *             | LS           |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|  |                          |              |    | Start                  | End          |
| Item   | Trim / Thin Trees        |              |    | 38.162761°             | 38.162761°   |
|  |                          |              |    | -121.607549°           | -121.607549° |
| DWR ID   | DWR_NA0002_02_f_2021_133 |              |    |                        |              |
| Comment Code   |                          |              |    |                        |              |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. |                          |              |    |                        |              |
| Inspector Comment  |                          |              |    |                        |              |
|  |                          |              |    |                        |              |

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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|   |                         |              |    |                        |              |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start  | 3.12                    | Rating **    | M  | Issue No.              | 53           |
| LM End  | 3.16                    | Issue Type + | Ma | Location *             | CR           |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|   |                         |              |    | Start                  | End          |
| Item  | Vegetation              |              |    | 38.162738°             | 38.162551°   |
|   |                         |              |    | -121.608169°           | -121.608912° |
| DWR ID  | DWR_NA0002_02_s_2020_53 |              |    |                        |              |
| Comment Code                                    |                         |              |    |                        |              |
| V3 : Keep the crown roadway free of vegetation. |                         |              |    |                        |              |
| Inspector Comment                               |                         |              |    |                        |              |
|   |                         |              |    |                        |              |

No Photos

|                   |                        |              |    |                        |              |
|-------------------|------------------------|--------------|----|------------------------|--------------|
| LM Start          | 3.22                   | Rating **    | U  | Issue No.              | 7            |
| LM End            | 3.22                   | Issue Type + | En | Location *             | LS           |
| Category          | Earthen Levee          |              |    | GPS Latitude/Longitude |              |
|                   |                        |              |    | Start                  | End          |
| Item              | Vegetation             |              |    | 38.162609°             | 38.162609°   |
|                   |                        |              |    | -121.609979°           | -121.609979° |
| DWR ID            | DWR_NA0002_02_f_2019_7 |              |    |                        |              |
| Comment Code      |                        |              |    |                        |              |
| V6 : Landscaping  |                        |              |    |                        |              |
| Inspector Comment |                        |              |    |                        |              |
|                   |                        |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_7\_20230206\_00001.jpg



View of the landscaping on the LS slope (Fall 2022).

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| * 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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|  |                      |              |    |                        |    |              |
|--|----------------------|--------------|----|------------------------|----|--------------|
| LM Start   | 3.31                 | Rating **    | M  | Issue No.              | 14 |              |
| LM End   | 3.31                 | Issue Type + | En | Location *             |    |              |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |    |              |
|  |                      |              |    | Start                  |    | End          |
| Item   | DWR UCIP Field Study |              |    | 38.162362°             |    | 38.162362°   |
|  |                      |              |    | -121.611744°           |    | -121.611744° |
| DWR ID   | 25749                |              |    |                        |    |              |
| Comment Code   |                      |              |    |                        |    |              |
|  |                      |              |    |                        |    |              |
| Inspector Comment  |                      |              |    |                        |    |              |
| DS_ID:25749<br>FS_ID:77173<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>EVAL Issue: 11, Maintenance Compliance Issue<br>Crossing Status: Found<br>UCIP Comments: 04/28/2022 Record is Non-Urgent. Lack of soil cover, conduit located right below crown pavement. Trench across levee is loosing pavement and getting open, recommend repaving. Fenced property on waterside. No permit has been found authorizing this pipe through the levee. (O.Yakimov - DWR UCIP)<br>FIELD_STRUCT_DESC: Unknown diameter communication conduit through levee right below the crown pavement. Junction pole with attached conduit on landside shoulder.<br>FS Date: 4/28/2022 |                      |              |    |                        |    |              |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.31</b> | Rating **    | M  | Issue No.  | <b>14 (cont)</b> |
| LM End   | <b>3.31</b> | Issue Type + | En | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2023\_77173\_115376.jpg



Top of Levee: View of levee crown looking upstream. Service pole on landside shoulder

Photo 2 of 3 : UCIP\_SP\_2023\_77173\_115377.jpg



Top of Levee: Paved cut in levee crown pavement

|  |  |   |   |
|--|--|---|---|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                      |              |    |                        |                  |
|----------|----------------------|--------------|----|------------------------|------------------|
| LM Start | <b>3.31</b>          | Rating **    | M  | Issue No.              | <b>14 (cont)</b> |
| LM End   | <b>3.31</b>          | Issue Type + | En | Location *             |                  |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |                  |
|          |                      |              |    | Start                  | End              |
| Item     | DWR UCIP Field Study |              |    | 38.162362°             | 38.162362°       |
|          |                      |              |    | -121.611744°           | -121.611744°     |
| DWR ID   | 25749                |              |    |                        |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_77173\_115378.jpg



Top of Levee: Cut in pavement. Paving material is starting to come out due to the traffic

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | 3.40                    | Rating **    | C  | Issue No.              | 64           |
| LM End   | 3.40                    | Issue Type + | Ma | Location *             | WS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Erosion / Foot Traffic  |              |    | 38.162449°             | 38.162449°   |
|  |                         |              |    | -121.613390°           | -121.613390° |
| DWR ID   | DWR_NA0002_02_s_2020_64 |              |    |                        |              |
| Comment Code   |                         |              |    |                        |              |
| E3 : Repair the levee slope damaged by foot traffic and prevent access where possible. |                         |              |    |                        |              |
| Inspector Comment  |                         |              |    |                        |              |
| The erosion has been repaired and the slope regraded.                                  |                         |              |    |                        |              |

No Photos

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | 3.57                    | Rating **    | M  | Issue No.              | 91           |
| LM End   | 3.57                    | Issue Type + | Ma | Location *             | LS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Trim / Thin Trees       |              |    | 38.162653°             | 38.162653°   |
|  |                         |              |    | -121.616348°           | -121.616348° |
| DWR ID   | DWR_NA0002_02_f_2021_91 |              |    |                        |              |
| Comment Code   |                         |              |    |                        |              |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. |                         |              |    |                        |              |
| Inspector Comment  |                         |              |    |                        |              |
|  |                         |              |    |                        |              |

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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|  |                      |              |    |                        |              |  |
|--|----------------------|--------------|----|------------------------|--------------|--|
| LM Start   | 3.70                 | Rating **    | U  | Issue No.              | 15           |  |
| LM End   | 3.70                 | Issue Type + | En | Location *             |              |  |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |              |  |
|  |                      |              |    | Start                  | End          |  |
| Item   | DWR UCIP Field Study |              |    | 38.163048°             | 38.163048°   |  |
|  |                      |              |    | -121.618839°           | -121.618839° |  |
| DWR ID   | 21895                |              |    |                        |              |  |
| Comment Code   |                      |              |    |                        |              |  |
|  |                      |              |    |                        |              |  |
| Inspector Comment  |                      |              |    |                        |              |  |
| DS_ID:21895<br>FS_ID:75396<br>EP_NO: 1615<br>Repair Type: Urgent<br>EVAL Issue: 2b, Levee Integrity<br>Crossing Status: Found<br>UCIP Comments: 05/03/2022 Record updated from Non-Urgent to Urgent. 9-feet wide and 1.5-feet deep depression on landside slope along pipe alignment. Crossing appears abandoned. Abandoned, falling apart concrete distribution box at landside toe. Pipe not found on waterside. No permit has been identified authorizing original 8-inch pipe. (O.Yakimov - DWR UCIP)<br>04/24/2013 Pipe abandoned and should be abandoned properly. (W.Wylie - DWR UCIP)<br>FIELD_STRUCT_DESC: 6-inch irrigation pipe through 8-inch pipe of an unknown material through the levee, 5 feet below the crown. 6-foot by 6-foot concrete distribution box on the LS toe. (Sleeving 6-inch pipe through existing 8-inch pipe and alterations to pump authorized under Permit No. 1615, 1951 - Jones and Miller). [Additional Reference(s): DWR Levee Log, 2005 (HLM 3.71). USACE Sacramento O&M Manual, Unit 102, April 1959, Revised 29 December 2016, (RM 17.0), listed as 8-inch pipe].<br>FS Date: 5/3/2022 11:08:33 AM |                      |              |    |                        |              |  |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>3.70</b> | Rating **    | U  | Issue No.  | <b>15 (cont)</b> |
| LM End   | <b>3.70</b> | Issue Type + | En | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2023\_75396\_112826.jpg



Land-Side: Concrete distribution box at levee toe missing parts of walls, filled with dirt

Photo 2 of 3 : UCIP\_SP\_2023\_75396\_112831.jpg



Land-Side: Another view of depression on landside slope along pipe alignment

|  |   |  |  |
|--|---|--|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector      |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia Donovan |

|          |                      |              |                        |               |                  |
|----------|----------------------|--------------|------------------------|---------------|------------------|
| LM Start | <b>3.70</b>          | Rating **    | U                      | Issue No.     | <b>15 (cont)</b> |
| LM End   | <b>3.70</b>          | Issue Type + | En                     | Location *    |                  |
| Category | Supplemental         |              | GPS Latitude/Longitude |               |                  |
|          |                      |              | Start                  | End           |                  |
| Item     | DWR UCIP Field Study |              | 38.163048 °            | 38.163048 °   |                  |
|          |                      |              | -121.618839 °          | -121.618839 ° |                  |
| DWR ID   | 21895                |              |                        |               |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_75396\_112827.jpg



Water-Side: View of levee slope looking from crown. Pipe not found

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.92                     | Rating **    | M  | Issue No.              | 108           |
| LM End   | 3.92                     | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Encroachments            |              |    | 38.164020 °            | 38.164020 °   |
|  |                          |              |    | -121.622641 °          | -121.622641 ° |
| DWR ID   | DWR_NA0002_02_s_2019_108 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
| LI : Landscape Irrigation                            |                          |              |    |                        |               |
| Inspector Comment                                    |                          |              |    |                        |               |
| Move irrigation pipe 10 feet away from landside toe. |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_108\_20230206\_00052.jpg



View of the irrigation pipe obscured by vegetation along the LS toe (Fall 2022).

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | 3.92                    | Rating **    | U  | Issue No.              | 98           |
| LM End   | 3.92                    | Issue Type + | Ma | Location *             | LS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Trim / Thin Trees       |              |    | 38.164019°             | 38.164019°   |
|  |                         |              |    | -121.622642°           | -121.622642° |
| DWR ID   | DWR_NA0002_02_s_2019_98 |              |    |                        |              |
| Comment Code   |                         |              |    |                        |              |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. |                         |              |    |                        |              |
| Inspector Comment  |                         |              |    |                        |              |
| Remove arundo from the landside slope.   |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_98\_20230206\_00047.jpg



View of the arundo on the LS slope (Fall 2022).

|                   |                      |                          |   |                                   |  |
|-------------------|----------------------|--------------------------|---|-----------------------------------|--|
| <b>* Location</b> |                      | <b>** Rating</b>         |   | <b>+ Issue Type</b>               |  |
| 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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|                   |                         |              |    |                        |              |
|-------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start          | 4.06                    | Rating **    | U  | Issue No.              | 59           |
| LM End            | 4.13                    | Issue Type + | En | Location *             | LS           |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                   |                         |              |    | Start                  | End          |
| Item              | Vegetation              |              |    | 38.164728°             | 38.165167°   |
|                   |                         |              |    | -121.624949°           | -121.626273° |
| DWR ID            | DWR_NA0002_02_s_2012_59 |              |    |                        |              |
| Comment Code      |                         |              |    |                        |              |
| V6 : Landscaping  |                         |              |    |                        |              |
| Inspector Comment |                         |              |    |                        |              |
|                   |                         |              |    |                        |              |

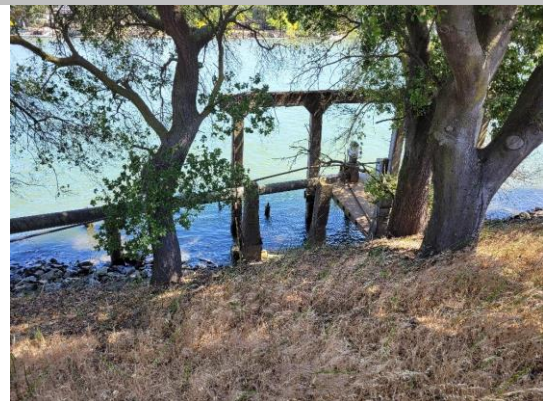
Photo 1 of 1 : SP\_2023\_NA0002\_63\_59\_20230206\_00015.jpg



Looking west at dense landscaping on landward slope.

|                   |                      |              |    |                        |              |
|-------------------|----------------------|--------------|----|------------------------|--------------|
| LM Start          | 4.11                 | Rating **    | M  | Issue No.              | 16           |
| LM End            | 4.11                 | Issue Type + | En | Location *             |              |
| Category          | Supplemental         |              |    | GPS Latitude/Longitude |              |
|                   |                      |              |    | Start                  | End          |
| Item              | DWR UCIP Field Study |              |    | 38.165016°             | 38.165016°   |
|                   |                      |              |    | -121.625834°           | -121.625834° |
| DWR ID            | 21904                |              |    |                        |              |
| Comment Code      |                      |              |    |                        |              |
|                   |                      |              |    |                        |              |
| Inspector Comment |                      |              |    |                        |              |

Photo 1 of 3 : UCIP\_SP\_2023\_75439\_112924.jpg



Water-Side: View of levee slope looking from crown. Pump on pier

DS\_ID:21904  
FS\_ID:75439  
EP\_NO: 787  
Repair Type: Non-Urgent  
EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit  
Crossing Status: Found  
UCIP Comments: 05/03/2022 Record remains Non-Urgent. Pump is not in alignment with the pipe through levee and was added to the siphon system later (as shown in permit drawing). Concrete distribution box at LS toe instead of a sump. Unable to find a permit for modification. (O.Yakimov - DWR UCIP)  
04/24/2013 Pipe may be abandoned and should be done so properly if not being used. Good candidate for video inspection. (W.Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 1 of 2: 14-inch steel irrigation discharge pipe through the levee, 4.2 feet below the crown. Pump on pile structure in stream. Pipe crossing levee approximately 30 feet downstream from the location of pump. Concrete sump at landside toe - not found, instead a concrete distribution box at LS toe approximately 30 feet downstream of pump location. (14-inch siphon pipe authorized under Permit No. 787, 1939 - J. E. Silva, et al). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.11). USACE Sacramento O&M Manual, Unit 102, April 1959, Revised 29 December 2016, (RM 16.6), listed as 14-inch pipe].  
FS Date: 5/3/2022 3:11:49 PM

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                      |              |                        |              |                  |
|----------|----------------------|--------------|------------------------|--------------|------------------|
| LM Start | <b>4.11</b>          | Rating **    | M                      | Issue No.    | <b>16 (cont)</b> |
| LM End   | <b>4.11</b>          | Issue Type + | En                     | Location *   |                  |
| Category | Supplemental         |              | GPS Latitude/Longitude |              |                  |
|          |                      |              | Start                  | End          |                  |
| Item     | DWR UCIP Field Study |              | 38.165016°             | 38.165016°   |                  |
|          |                      |              | -121.625834°           | -121.625834° |                  |
| DWR ID   | 21904                |              |                        |              |                  |

Photo 2 of 3 : UCIP\_SP\_2023\_75439\_112921.jpg



Water-Side: Pipe at riverbank goes approximately 30 feet along the levee to connect pump with the pipe through levee

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>4.11</b> | Rating **    | M  | Issue No.  | <b>16 (cont)</b> |
| LM End   | <b>4.11</b> | Issue Type + | En | Location * |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_75439\_112920.jpg



Water-Side: Pipe at riverbank goes along the levee to connect pump with the pipe through levee

|  |                          |              |    |                        |              |
|--|--------------------------|--------------|----|------------------------|--------------|
| LM Start   | 4.29                     | Rating **    | U  | Issue No.              | 169          |
| LM End   | 4.29                     | Issue Type + | Ma | Location *             | LS           |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|  |                          |              |    | Start                  | End          |
| Item   | Trim / Thin Trees        |              |    | 38.166258°             | 38.166258°   |
|  |                          |              |    | -121.628717°           | -121.628717° |
| DWR ID   | DWR_NA0002_02_f_2018_169 |              |    |                        |              |
| Comment Code   |                          |              |    |                        |              |
| T2 : Tree or limb.                                   |                          |              |    |                        |              |
| Inspector Comment                                    |                          |              |    |                        |              |
| Remove the downed tree limb from the landside slope. |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_169\_20230206\_00068.jpg



View of down tree limb on the landside slope (Spring 2021).

| * 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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start                                       | 4.33                    | Rating **    | U  | Issue No.              | 93           |
| LM End   | 4.33                    | Issue Type + | Ma | Location *             | LS           |
| Category                                       | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Trim / Thin Trees       |              |    | 38.166644°             | 38.166644°   |
|  |                         |              |    | -121.629368°           | -121.629368° |
| DWR ID   | DWR_NA0002_02_s_2022_93 |              |    |                        |              |
| Comment Code                                   |                         |              |    |                        |              |
| T2 : Tree or limb.                             |                         |              |    |                        |              |
| Inspector Comment                              |                         |              |    |                        |              |
| Remove cut up tree limbs on landside shoulder. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_93\_20230206\_00042.jpg



View of cut up tree limbs on the landside shoulder (Spring 2022).

|                    |                         |              |    |                        |              |
|--------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start           | 4.33                    | Rating **    | C  | Issue No.              | 74           |
| LM End             | 4.33                    | Issue Type + | Ma | Location *             | WS           |
| Category           | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                    |                         |              |    | Start                  | End          |
| Item               | Trim / Thin Trees       |              |    | 38.166681°             | 38.166681°   |
|                    |                         |              |    | -121.629374°           | -121.629374° |
| DWR ID             | DWR_NA0002_02_s_2022_74 |              |    |                        |              |
| Comment Code       |                         |              |    |                        |              |
| T2 : Tree or limb. |                         |              |    |                        |              |
| Inspector Comment  |                         |              |    |                        |              |
|                    |                         |              |    |                        |              |

No Photos

|                   |                          |              |    |                        |              |
|-------------------|--------------------------|--------------|----|------------------------|--------------|
| LM Start          | 4.42                     | Rating **    | M  | Issue No.              | 123          |
| LM End            | 4.42                     | Issue Type + | En | Location *             | LS           |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|                   |                          |              |    | Start                  | End          |
| Item              | Vegetation               |              |    | 38.167027°             | 38.167027°   |
|                   |                          |              |    | -121.630916°           | -121.630916° |
| DWR ID            | DWR_NA0002_02_s_2020_123 |              |    |                        |              |
| Comment Code      |                          |              |    |                        |              |
| V6 : Landscaping  |                          |              |    |                        |              |
| Inspector Comment |                          |              |    |                        |              |
|                   |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_123\_20230206\_00055.jpg



View of the landscaping on the LS slope (Fall 2022).

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|  |                           |              |     |                        |              |
|--|---------------------------|--------------|-----|------------------------|--------------|
| LM Start   | 4.43                      | Rating **    | A/W | Issue No.              | 80           |
| LM End   | 4.47                      | Issue Type + | En  | Location *             | WS           |
| Category   | Earthen Levee             |              |     | GPS Latitude/Longitude |              |
|  |                           |              |     | Start                  | End          |
| Item   | Encroachments             |              |     | 38.167094°             | 38.167171°   |
|  |                           |              |     | -121.631101°           | -121.631693° |
| DWR ID   | DWR_NA0002_02_s _ 2020_80 |              |     |                        |              |
| Comment Code   |                           |              |     |                        |              |
| DE : Debris  |                           |              |     |                        |              |
| Inspector Comment  |                           |              |     |                        |              |
| Concrete blocks placed to deter parking on waterside of crown. |                           |              |     |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_80\_20230518\_00148.jpg



View of the concrete blocks along the WS shoulder (Spring 2023).

|  |  |   |   |
|--|--|---|---|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|   |                      |              |    |                        |              |  |
|---|----------------------|--------------|----|------------------------|--------------|--|
| LM Start  | 4.78                 | Rating **    | U  | Issue No.              | 17           |  |
| LM End  | 4.78                 | Issue Type + | En | Location *             |              |  |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |              |  |
|   |                      |              |    | Start                  | End          |  |
| Item  | DWR UCIP Field Study |              |    | 38.168744°             | 38.168744°   |  |
|   |                      |              |    | -121.637155°           | -121.637155° |  |
| DWR ID  | 21908                |              |    |                        |              |  |
| Comment Code  |                      |              |    |                        |              |  |
|   |                      |              |    |                        |              |  |
| Inspector Comment   |                      |              |    |                        |              |  |
| DS_ID:21908   |                      |              |    |                        |              |  |
| FS_ID:75458   |                      |              |    |                        |              |  |
| EP_NO: 11285  |                      |              |    |                        |              |  |
| Repair Type: Urgent   |                      |              |    |                        |              |  |
| EVAL Issue: 2a, Levee Integrity   |                      |              |    |                        |              |  |
| Crossing Status: Found  |                      |              |    |                        |              |  |
| UCIP Comments: 05/03/2022 Record updated from Non-Urgent to Urgent. Excavation on landside (LS) slope under the pipe measured 25-foot wide and 4-feet deep. Unable to confirm that annular space between multiple sleeved pipes was properly grouted that otherwise could lead to flooding on LS. Pipe appears originally designed as a siphon and now converted to waterside (WS) pump irrigation pipe. Electrical conduit was sleeved in the space between pipes to provide power to WS. Pipe was cut on WS berm, butterfly valve installed on pipe end, 6-inch flexible corrugated hose connected to the valve. The hose continues through low flow channel. Unable to find a permit for modification. Pit under pipe on WS shoulder recorded in previous inspection didn't progress and now filled with soil. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP) |                      |              |    |                        |              |  |
| 05/02/2013 Pit under pipe on WS shoulder - possible leak. Excavation of pipe on LS slope into levee prism. (W.Wylie - DWR UCIP)   |                      |              |    |                        |              |  |
| FIELD_STRUCT_DESC: 20-inch siphon irrigation pipe of an unknown material, sleeved through a 22-inch, sleeved through a 24-inch pipe, through the levee, 3 feet below the crown. Pipe discharges into a 7-foot by 9-foot concrete sump off landside (LS) toe. Pump on the top of sump is not related to this crossing. Siphon filler pump above the pipe on the LS shoulder. Electrical conduit sleeved through the annular space between 20-inch and 22-inch pipes at this location. (20-inch pipe [HLM 4.79] authorized under Automatic Board Order (ABO) issued as Permit No. 11285, 1975 - Manuel Silva). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.79). USACE Sacramento O&M Manual, Unit 102, April 1959, Revised 29 December 2016, (RM 15.9), listed as 20-inch siphon pipe].  |                      |              |    |                        |              |  |
| FS Date: 5/3/2022 1:51:06 PM  |                      |              |    |                        |              |  |

Photo 1 of 3 : UCIP\_SP\_2023\_75458\_112962.jpg



Water-Side: Electrical conduit comes out on levee slope

|  |   |  |  |
|--|---|--|--|
| <b>* Location</b><br>LS: Land Side    N/A: Not Applicable<br>WS: Water Side<br>CR: Crown | <b>** Rating</b><br>A: Acceptable<br>M: Minimally Acceptable<br>U: Unacceptable | 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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                      |              |                        |               |                  |
|----------|----------------------|--------------|------------------------|---------------|------------------|
| LM Start | <b>4.78</b>          | Rating **    | U                      | Issue No.     | <b>17 (cont)</b> |
| LM End   | <b>4.78</b>          | Issue Type + | En                     | Location *    |                  |
| Category | Supplemental         |              | GPS Latitude/Longitude |               |                  |
|          |                      |              | Start                  | End           |                  |
| Item     | DWR UCIP Field Study |              | 38.168744 °            | 38.168744 °   |                  |
|          |                      |              | -121.637155 °          | -121.637155 ° |                  |
| DWR ID   | 21908                |              |                        |               |                  |

Photo 2 of 3 : UCIP\_SP\_2023\_75458\_112963.jpg



Water-Side: Pipe was cut on levee berm to install 6-inch flexible corrugated hose

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>4.78</b> | Rating **    | U  | Issue No.  | <b>17 (cont)</b> |
| LM End   | <b>4.78</b> | Issue Type + | En | Location * |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_75458\_112971.jpg



Land-Side: Excavation under pipe on levee slope. Approximate size is outlined in red

|   |                          |              |    |                        |              |
|---|--------------------------|--------------|----|------------------------|--------------|
| LM Start  | 4.81                     | Rating **    | U  | Issue No.              | 128          |
| LM End  | 4.99                     | Issue Type + | Ma | Location *             | LS           |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|   |                          |              |    | Start                  | End          |
| Item  | Animal Control           |              |    | 38.168831°             | 38.169583°   |
|   |                          |              |    | -121.637619°           | -121.640698° |
| DWR ID  | DWR_NA0002_02_f_2019_128 |              |    |                        |              |
| Comment Code  |                          |              |    |                        |              |
| A1 : Exterminate rodents and backfill and compact or grout burrows. |                          |              |    |                        |              |
| Inspector Comment   |                          |              |    |                        |              |
| There are multiple large squirrel holes on the landside slope.      |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_128\_20230206\_00058.jpg



View of multiple large squirrel holes in landside slope (Fall 2019).

| * 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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|  |                          |              |    |                        |              |
|--|--------------------------|--------------|----|------------------------|--------------|
| LM Start   | 5.01                     | Rating **    | U  | Issue No.              | 163          |
| LM End   | 5.01                     | Issue Type + | Ma | Location *             | LS           |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|  |                          |              |    | Start                  | End          |
| Item   | Trim / Thin Trees        |              |    | 38.169750°             | 38.169750°   |
|  |                          |              |    | -121.641107°           | -121.641107° |
| DWR ID   | DWR_NA0002_02_f_2019_163 |              |    |                        |              |
| Comment Code   |                          |              |    |                        |              |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. |                          |              |    |                        |              |
| Inspector Comment  |                          |              |    |                        |              |
| Trim the fig tree on the landside slope.   |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_163\_20230206\_00064.jpg



View of the fig tree on the LS slope (Fall 2022).

|   |                          |              |    |                        |              |
|---|--------------------------|--------------|----|------------------------|--------------|
| LM Start  | 5.25                     | Rating **    | U  | Issue No.              | 124          |
| LM End  | 5.29                     | Issue Type + | Ma | Location *             | LS           |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|   |                          |              |    | Start                  | End          |
| Item  | Animal Control           |              |    | 38.171928°             | 38.171873°   |
|   |                          |              |    | -121.644455°           | -121.645082° |
| DWR ID  | DWR_NA0002_02_f_2017_124 |              |    |                        |              |
| Comment Code  |                          |              |    |                        |              |
| A1 : Exterminate rodents and backfill and compact or grout burrows.         |                          |              |    |                        |              |
| Inspector Comment   |                          |              |    |                        |              |
| Amount of rodent holes appears to have increased since previous inspection. |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_124\_20230206\_00056.jpg



View looking downstream at animal holes in the landside slope (Fall 2020).

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|  |                          |              |    |                        |              |
|--|--------------------------|--------------|----|------------------------|--------------|
| LM Start                                 | 5.32                     | Rating **    | U  | Issue No.              | 132          |
| LM End                                   | 5.35                     | Issue Type + | Ma | Location *             | LS           |
| Category                                 | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|  |                          |              |    | Start                  | End          |
| Item                                     | Trim / Thin Trees        |              |    | 38.171844°             | 38.171839°   |
|  |                          |              |    | -121.645718°           | -121.646163° |
| DWR ID                                   | DWR_NA0002_02_f_2021_132 |              |    |                        |              |
| Comment Code                             |                          |              |    |                        |              |
| T3 : Fallen tree with root ball.         |                          |              |    |                        |              |
| Inspector Comment                        |                          |              |    |                        |              |
| Remove two down trees on landside slope. |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_132\_20230206\_00059.jpg



View looking downstream at two down trees on the landside slope (Fall 2021).

|  |                      |              |    |                        |    |               |
|--|----------------------|--------------|----|------------------------|----|---------------|
| LM Start   | 5.41                 | Rating **    | M  | Issue No.              | 18 |               |
| LM End   | 5.41                 | Issue Type + | En | Location *             |    |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |    |               |
|  |                      |              |    | Start                  |    | End           |
| Item   | DWR UCIP Field Study |              |    | 38.171825 °            |    | 38.171825 °   |
|  |                      |              |    | -121.647228 °          |    | -121.647228 ° |
| DWR ID   | 23138                |              |    |                        |    |               |
| Comment Code   |                      |              |    |                        |    |               |
|  |                      |              |    |                        |    |               |
| Inspector Comment  |                      |              |    |                        |    |               |
| DS_ID:23138  |                      |              |    |                        |    |               |
| FS_ID:75464  |                      |              |    |                        |    |               |
| EP_NO: N/A   |                      |              |    |                        |    |               |
| Repair Type: Non-Urgent  |                      |              |    |                        |    |               |
| EVAL Issue: 11, Maintenance Compliance Issue   |                      |              |    |                        |    |               |
| Crossing Status: Found   |                      |              |    |                        |    |               |
| UCIP Comments: 05/03/2022 Record updated from No Action Needed to Non-Urgent. No permit has been found authorizing this pipe through the levee. Pipe is running, a leak through a hole in the pipe detected on walkway in the stream. (O.Yakimov - DWR UCIP) |                      |              |    |                        |    |               |
| FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, at an unknown depth. Pipe visible on the top of walkway to pump. 1.5-inch galvanized steel electrical conduit at same location. Pipe enters a shed at landside toe.                      |                      |              |    |                        |    |               |
| FS Date: 5/3/2022 4:55:30 PM   |                      |              |    |                        |    |               |

Photo 1 of 3 : UCIP\_SP\_2023\_75464\_112998.jpg



Top of Levee: View of levee crown looking towards landside

|  |   |   |
|--|---|---|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                      |              |                        |              |                  |
|----------|----------------------|--------------|------------------------|--------------|------------------|
| LM Start | <b>5.41</b>          | Rating **    | M                      | Issue No.    | <b>18 (cont)</b> |
| LM End   | <b>5.41</b>          | Issue Type + | En                     | Location *   |                  |
| Category | Supplemental         |              | GPS Latitude/Longitude |              |                  |
|          |                      |              | Start                  | End          |                  |
| Item     | DWR UCIP Field Study |              | 38.171825°             | 38.171825°   |                  |
|          |                      |              | -121.647228°           | -121.647228° |                  |
| DWR ID   | 23138                |              |                        |              |                  |

Photo 2 of 3 : UCIP\_SP\_2023\_75464\_112993.jpg



Land-Side: View of levee slope looking from crown. Pipe is visible on landside entering a shed

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>5.41</b> | Rating **    | M  | Issue No.  | <b>18 (cont)</b> |
| LM End   | <b>5.41</b> | Issue Type + | En | Location * |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_75464\_113133.jpg



Water-Side: View of levee slope looking from crown

|  |                          |              |    |                        |              |
|--|--------------------------|--------------|----|------------------------|--------------|
| LM Start   | 5.67                     | Rating **    | M  | Issue No.              | 131          |
| LM End   | 5.67                     | Issue Type + | Ma | Location *             | LS           |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|  |                          |              |    | Start                  | End          |
| Item   | Trim / Thin Trees        |              |    | 38.172377°             | 38.172377°   |
|  |                          |              |    | -121.651956°           | -121.651956° |
| DWR ID   | DWR_NA0002_02_f_2021_131 |              |    |                        |              |
| Comment Code   |                          |              |    |                        |              |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. |                          |              |    |                        |              |
| Inspector Comment  |                          |              |    |                        |              |
|  |                          |              |    |                        |              |

No Photos

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|   |                      |              |    |                        |              |  |
|---|----------------------|--------------|----|------------------------|--------------|--|
| LM Start  | 5.77                 | Rating **    | U  | Issue No.              | 19           |  |
| LM End  | 5.77                 | Issue Type + | En | Location *             |              |  |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |              |  |
|   |                      |              |    | Start                  | End          |  |
| Item  | DWR UCIP Field Study |              |    | 38.172940°             | 38.172940°   |  |
|   |                      |              |    | -121.653700°           | -121.653700° |  |
| DWR ID  | 21912                |              |    |                        |              |  |
| Comment Code  |                      |              |    |                        |              |  |
|   |                      |              |    |                        |              |  |
| Inspector Comment   |                      |              |    |                        |              |  |
| DS_ID:21912<br>FS_ID:75493<br>EP_NO: N/A<br>Repair Type: Urgent<br>EVAL Issue: 2b, Levee Integrity<br>Crossing Status: Found<br>UCIP Comments: 05/05/2022 Record updated from Non-Urgent to Urgent. Depression on waterside slope along pipe alignment measured 13 feet wide and approximately 1.5 feet deep. Crossing appears abandoned. Abandoned centrifugal pump at landside toe with discharge pipe removed. Pipe not found on waterside. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)<br>05/02/2013 Pipe abandoned. Erosion on WS slope at location where pipe should be. (W.Wylie - DWR UCIP)<br>FIELD_STRUCT_DESC: 12-inch drainage pipe of an unknown material through the levee, 13 feet below the crown. Pump and gate valve at the landside (LS) toe. Pump house at LS toe removed. 1.5-inch electrical conduit along pipe at same location. 42-inch concrete standpipe at the LS toe. (12-inch pipe [HLM 5.78] authorized under Automatic Board Order (ABO) issued as Permit No. 11290, 1975 - Horace D. Towne). (Vertical pump in river channel authorized under Permit No. 1646, 1952 - H.D. Towne). [Additional Reference(s): DWR Levee Log, 1968 (HLM 5.78). USACE Sacramento O&M Manual, Unit 102, April 1959, Revised 29 December 2016, (RM 14.8), listed as 12-inch pipe].<br>FS Date: 5/5/2022 3:33:01 PM |                      |              |    |                        |              |  |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>5.77</b> | Rating **    | U  | Issue No.  | <b>19 (cont)</b> |
| LM End   | <b>5.77</b> | Issue Type + | En | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2023\_75493\_113138.jpg



Water-Side: Another view of depression on levee slope

Photo 2 of 3 : UCIP\_SP\_2023\_75493\_113139.jpg



Land-Side: View of levee slope looking from crown. Concrete standpipe and abandoned pump at levee toe

|                |                     |                         |  |                                  |  |
|----------------|---------------------|-------------------------|--|----------------------------------|--|
| * 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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                      |              |    |                        |                  |
|----------|----------------------|--------------|----|------------------------|------------------|
| LM Start | <b>5.77</b>          | Rating **    | U  | Issue No.              | <b>19 (cont)</b> |
| LM End   | <b>5.77</b>          | Issue Type + | En | Location *             |                  |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |                  |
|          |                      |              |    | Start                  | End              |
| Item     | DWR UCIP Field Study |              |    | 38.172940 °            | 38.172940 °      |
|          |                      |              |    | -121.653700 °          | -121.653700 °    |
| DWR ID   | 21912                |              |    |                        |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_75493\_113140.jpg



Land-Side: Abandoned pump at levee toe. Discharge pipe removed

|   |                          |              |     |                        |               |
|---|--------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 6.07                     | Rating **    | A/W | Issue No.              | 122           |
| LM End  | 6.07                     | Issue Type + | Ma  | Location *             | LS            |
| Category  | Earthen Levee            |              |     | GPS Latitude/Longitude |               |
|   |                          |              |     | Start                  | End           |
| Item  | Animal Control           |              |     | 38.174655 °            | 38.174655 °   |
|   |                          |              |     | -121.658643 °          | -121.658643 ° |
| DWR ID  | DWR_NA0002_02_f_2019_122 |              |     |                        |               |
| Comment Code  |                          |              |     |                        |               |
| A1 : Exterminate rodents and backfill and compact or grout burrows.   |                          |              |     |                        |               |
| Inspector Comment   |                          |              |     |                        |               |
| There were multiple squirrel holes at this location, however the LMA implemented a baiting program. Monitor the area for new rodent activity. |                          |              |     |                        |               |

No Photos

|   |                          |              |    |                        |              |
|---|--------------------------|--------------|----|------------------------|--------------|
| LM Start  | 6.12                     | Rating **    | M  | Issue No.              | 103          |
| LM End  | 6.18                     | Issue Type + | Ma | Location *             | LS           |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|   |                          |              |    | Start                  | End          |
| Item  | Vegetation               |              |    | 38.174670°             | 38.174413°   |
|   |                          |              |    | -121.659592°           | -121.660623° |
| DWR ID  | DWR_NA0002_02_f_2015_103 |              |    |                        |              |
| Comment Code  |                          |              |    |                        |              |
| V4 : Elderberries are blocking visibility and flood fight capability. |                          |              |    |                        |              |
| Inspector Comment   |                          |              |    |                        |              |
|   |                          |              |    |                        |              |

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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|   |                          |              |    |                        |              |
|---|--------------------------|--------------|----|------------------------|--------------|
| LM Start  | 6.12                     | Rating **    | U  | Issue No.              | 130          |
| LM End  | 6.12                     | Issue Type + | Ma | Location *             | WS           |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|   |                          |              |    | Start                  | End          |
| Item  | Vegetation               |              |    | 38.174625°             | 38.174625°   |
|   |                          |              |    | -121.659661°           | -121.659661° |
| DWR ID  | DWR_NA0002_02_f_2018_130 |              |    |                        |              |
| Comment Code  |                          |              |    |                        |              |
| V4 : Elderberries are blocking visibility and flood fight capability. |                          |              |    |                        |              |
| Inspector Comment   |                          |              |    |                        |              |
|   |                          |              |    |                        |              |

No Photos

|   |                          |              |    |                        |              |
|---|--------------------------|--------------|----|------------------------|--------------|
| LM Start  | 6.16                     | Rating **    | M  | Issue No.              | 126          |
| LM End  | 6.16                     | Issue Type + | Ma | Location *             | LS           |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|   |                          |              |    | Start                  | End          |
| Item  | Animal Control           |              |    | 38.174466°             | 38.174466°   |
|   |                          |              |    | -121.660322°           | -121.660322° |
| DWR ID  | DWR_NA0002_02_f_2021_126 |              |    |                        |              |
| Comment Code  |                          |              |    |                        |              |
| A1 : Exterminate rodents and backfill and compact or grout burrows. |                          |              |    |                        |              |
| Inspector Comment   |                          |              |    |                        |              |
| Evidence of squirrel activity.                                      |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_126\_20230206\_00057.jpg



View looking down slope at squirrel holes in the landside slope (Fall 2021).

|                            |                         |              |    |                        |              |
|----------------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start                   | 6.24                    | Rating **    | M  | Issue No.              | 84           |
| LM End                     | 6.24                    | Issue Type + | Ma | Location *             | LS           |
| Category                   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                            |                         |              |    | Start                  | End          |
| Item                       | Trim / Thin Trees       |              |    | 38.174143°             | 38.174143°   |
|                            |                         |              |    | -121.661659°           | -121.661659° |
| DWR ID                     | DWR_NA0002_02_f_2017_84 |              |    |                        |              |
| Comment Code               |                         |              |    |                        |              |
| T2 : Tree or limb.         |                         |              |    |                        |              |
| Inspector Comment          |                         |              |    |                        |              |
| Dead tree on the landside. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_84\_20230206\_00036.jpg



View looking downslope at burned tree on the landside slope (Fall 2020).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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  |  | <b>+ Issue Type</b><br>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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|                   |                         |              |    |                        |              |
|-------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start          | 6.27                    | Rating **    | M  | Issue No.              | 50           |
| LM End            | 6.29                    | Issue Type + | En | Location *             | LS           |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                   |                         |              |    | Start                  | End          |
| Item              | Vegetation              |              |    | 38.173922°             | 38.173832°   |
|                   |                         |              |    | -121.662272°           | -121.662550° |
| DWR ID            | DWR_NA0002_02_s_2013_50 |              |    |                        |              |
| Comment Code      |                         |              |    |                        |              |
| V6 : Landscaping  |                         |              |    |                        |              |
| Inspector Comment |                         |              |    |                        |              |
|                   |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_50\_20230206\_00011.jpg



View looking downstream at landscaping on the landside slope (Spring 2021).

|                                    |                         |              |    |                        |              |
|------------------------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start                           | 6.32                    | Rating **    | U  | Issue No.              | 13           |
| LM End                             | 6.32                    | Issue Type + | Ma | Location *             | LS           |
| Category                           | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                                    |                         |              |    | Start                  | End          |
| Item                               | Trim / Thin Trees       |              |    | 38.173697°             | 38.173697°   |
|                                    |                         |              |    | -121.663082°           | -121.663082° |
| DWR ID                             | DWR_NA0002_02_s_2017_13 |              |    |                        |              |
| Comment Code                       |                         |              |    |                        |              |
| T2 : Tree or limb.                 |                         |              |    |                        |              |
| Inspector Comment                  |                         |              |    |                        |              |
| Fallen tree on the landside slope. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_13\_20230206\_00004.jpg



View of the fallen tree on the LS slope (Fall 2022).

|  |                          |              |    |                        |              |
|--|--------------------------|--------------|----|------------------------|--------------|
| LM Start   | 6.46                     | Rating **    | M  | Issue No.              | 118          |
| LM End   | 6.46                     | Issue Type + | Ma | Location *             | LS           |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|  |                          |              |    | Start                  | End          |
| Item   | Trim / Thin Trees        |              |    | 38.172678°             | 38.172678°   |
|  |                          |              |    | -121.665280°           | -121.665280° |
| DWR ID   | DWR_NA0002_02_f_2019_118 |              |    |                        |              |
| Comment Code   |                          |              |    |                        |              |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. |                          |              |    |                        |              |
| Inspector Comment  |                          |              |    |                        |              |
|  |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_118\_20230206\_00053.jpg



View of the fig tree on the LS slope (Fall 2022).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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  |  | <b>+ Issue Type</b><br>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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|              |                      |              |    |                        |              |
|--------------|----------------------|--------------|----|------------------------|--------------|
| LM Start     | 6.91                 | Rating **    | U  | Issue No.              | 20           |
| LM End       | 6.91                 | Issue Type + | En | Location *             |              |
| Category     | Supplemental         |              |    | GPS Latitude/Longitude |              |
|              |                      |              |    | Start                  | End          |
| Item         | DWR UCIP Field Study |              |    | 38.167555°             | 38.167555°   |
|              |                      |              |    | -121.669982°           | -121.669982° |
| DWR ID       | 21966                |              |    |                        |              |
| Comment Code |                      |              |    |                        |              |

**Inspector Comment**

DS\_ID:21966  
FS\_ID:75510  
EP\_NO: 11278  
Repair Type: Urgent  
EVAL Issue: 3b, Flood Risk  
Crossing Status: Found  
UCIP Comments: 05/05/2022 Record updated from No Action Needed to Urgent. Multiple pipes sleeved through the original pipe with annular space not grouted that poses flood threat to the landside. Concrete distribution box and concrete standpipe are removed from landside toe and replaced with steel standpipe. Unable to find a permit for modifications. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)  
FIELD\_STRUCT\_DESC: 8-inch steel irrigation pipe sleeved through 9-inch steel pipe sleeved through 10-inch steel pipe through the levee, 5 feet below the crown. Pump on pier at the waterside (WS) toe. 4-foot by 5-foot concrete distribution box at the landside (LS) toe, not found. 36-inch concrete standpipe on the LS toe, not found. 1.5-inch electrical conduit at same location. (10-inch pipe [HLM 6.92] authorized under Automatic Board Order (ABO) issued as Permit No. 11278, 1975 - George J. Pestano). [Additional Reference(s): DWR Levee Log, 2005 (HLM 6.92), listed as 10-inch pipe. USACE Sacramento O&M Manual, Unit 102, April 1959, Revised 29 December 2016, (RM 13.6), listed as 10-inch pipe].  
FS Date: 5/5/2022 9:41:49 AM

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>6.91</b> | Rating **    | U  | Issue No.  | <b>20 (cont)</b> |
| LM End   | <b>6.91</b> | Issue Type + | En | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2023\_75510\_113158.jpg



Water-Side: Pipe at the retaining wall on the property

Photo 2 of 3 : UCIP\_SP\_2023\_75510\_113159.jpg



Water-Side: View of double sleeving at the retaining wall

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector      |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia Donovan |

|          |                      |              |                        |              |                  |
|----------|----------------------|--------------|------------------------|--------------|------------------|
| LM Start | <b>6.91</b>          | Rating **    | U                      | Issue No.    | <b>20 (cont)</b> |
| LM End   | <b>6.91</b>          | Issue Type + | En                     | Location *   |                  |
| Category | Supplemental         |              | GPS Latitude/Longitude |              |                  |
|          |                      |              | Start                  | End          |                  |
| Item     | DWR UCIP Field Study |              | 38.167555°             | 38.167555°   |                  |
|          |                      |              | -121.669982°           | -121.669982° |                  |
| DWR ID   | 21966                |              |                        |              |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_75510\_113156.jpg



Land-Side: Concrete debris at levee toe

|   |                           |              |    |                        |              |
|---|---------------------------|--------------|----|------------------------|--------------|
| LM Start  | 6.98                      | Rating **    | U  | Issue No.              | 70           |
| LM End  | 7.04                      | Issue Type + | Ma | Location *             | WS           |
| Category  | Supplemental              |              |    | GPS Latitude/Longitude |              |
|   |                           |              |    | Start                  | End          |
| Item  | 2018 USACE Erosion Survey |              |    | 38.166583°             | 38.165794°   |
|   |                           |              |    | -121.670684°           | -121.671014° |
| DWR ID  | DWR_NA0002_02_s_2022_70   |              |    |                        |              |
| Comment Code  |                           |              |    |                        |              |
|   |                           |              |    |                        |              |
| Inspector Comment   |                           |              |    |                        |              |
| 2018 Site ID: SAC 13.6 L  |                           |              |    |                        |              |
| Status: Critical  |                           |              |    |                        |              |
| 2018 Field Notes: No observed change.   |                           |              |    |                        |              |
| Site History: 2011 - Large section of bank slumped off. 2017 - Upgraded to CRITICAL. Nearly vertical face from levee hinge. Trees with large root balls likely to fail. |                           |              |    |                        |              |

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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|                    |                          |              |    |                        |              |
|--------------------|--------------------------|--------------|----|------------------------|--------------|
| LM Start           | 7.00                     | Rating **    | M  | Issue No.              | 117          |
| LM End             | 7.00                     | Issue Type + | Ma | Location *             | LS           |
| Category           | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|                    |                          |              |    | Start                  | End          |
| Item               | Trim / Thin Trees        |              |    | 38.166249°             | 38.166249°   |
|                    |                          |              |    | -121.670505°           | -121.670505° |
| DWR ID             | DWR_NA0002_02_f_2021_117 |              |    |                        |              |
| Comment Code       |                          |              |    |                        |              |
| T2 : Tree or limb. |                          |              |    |                        |              |
| Inspector Comment  |                          |              |    |                        |              |
|                    |                          |              |    |                        |              |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|   |                      |              |    |                        |              |
|---|----------------------|--------------|----|------------------------|--------------|
| LM Start  | 7.02                 | Rating **    | U  | Issue No.              | 21           |
| LM End  | 7.02                 | Issue Type + | En | Location *             |              |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |              |
|   |                      |              |    | Start                  | End          |
| Item  | DWR UCIP Field Study |              |    | 38.165949°             | 38.165949°   |
|   |                      |              |    | -121.670638°           | -121.670638° |
| DWR ID  | 21916                |              |    |                        |              |
| Comment Code  |                      |              |    |                        |              |
|   |                      |              |    |                        |              |
| Inspector Comment   |                      |              |    |                        |              |
| DS_ID:21916<br>FS_ID:75518<br>EP_NO: N/A<br>Repair Type: Urgent<br>EVAL Issue: 1, Pipe Integrity<br>Crossing Status: Found<br>UCIP Comments: 05/05/2022 Record remains Urgent. Pipe located above design flood plane open on both ends. Through holes on pipe visible at riverbank. Crossing appears abandoned. Abandoned concrete distribution box at landside toe partially filled with soil. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)<br>07/12/2018 Holes on pipe visible where it daylights on WS, and inside of concrete box on LS. Pipe is opened on WS. Recommend internal inspection to determine pipe integrity through levee. (O.Yakimov-DWR UCIP)<br>10/24/2016 same as previous inspection pipe is opened on the WS. The crossing remains "Urgent" due WS end open. Crossing appears abandoned--need to contact owner to determine status. If crossing is no longer in use owner will need to coordinate with the CVFPB to comply with Title 23. (O. Magana - DWR UCIP)<br>05/02/2013 Pipe open on WS. (W. Wylie - DWR UCIP)<br>FIELD_STRUCT_DESC: 8-inch steel irrigation siphon pipe through levee 8.7 feet below crown. Pipe measures 8-inch inner diameter (ID) and 10-inch outer diameter (OD). A 5-foot by 5-foot concrete distribution box is located on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 7.04), listed as abandoned 8-inch pipe. USACE Sacramento O&M Manual, Unit 102, April 1959, Revised 29 December 2016, (RM 13.4), listed as 8-inch pipe].<br>FS Date: 5/5/2022 1:04:42 PM |                      |              |    |                        |              |

Photo 1 of 3 : UCIP\_SP\_2023\_75518\_113172.jpg



Land-Side: Abandoned concrete distribution box at levee toe

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                      |              |                        |               |                  |
|----------|----------------------|--------------|------------------------|---------------|------------------|
| LM Start | <b>7.02</b>          | Rating **    | U                      | Issue No.     | <b>21 (cont)</b> |
| LM End   | <b>7.02</b>          | Issue Type + | En                     | Location *    |                  |
| Category | Supplemental         |              | GPS Latitude/Longitude |               |                  |
|          |                      |              | Start                  | End           |                  |
| Item     | DWR UCIP Field Study |              | 38.165949 °            | 38.165949 °   |                  |
|          |                      |              | -121.670638 °          | -121.670638 ° |                  |
| DWR ID   | 21916                |              |                        |               |                  |

Photo 2 of 3 : UCIP\_SP\_2023\_75518\_113175.jpg



Water-Side: Open pipe end

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>7.02</b> | Rating **    | U  | Issue No.  | <b>21 (cont)</b> |
| LM End   | <b>7.02</b> | Issue Type + | En | Location * |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_75518\_113174.jpg



Water-Side: Through holes in pipe on levee slope

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | 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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|  |                      |              |    |                        |              |
|--|----------------------|--------------|----|------------------------|--------------|
| LM Start   | 7.25                 | Rating **    | U  | Issue No.              | 22           |
| LM End   | 7.25                 | Issue Type + | En | Location *             |              |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |              |
|  |                      |              |    | Start                  | End          |
| Item   | DWR UCIP Field Study |              |    | 38.162914°             | 38.162914°   |
|  |                      |              |    | -121.672079°           | -121.672079° |
| DWR ID   | 21917                |              |    |                        |              |
| Comment Code   |                      |              |    |                        |              |
|  |                      |              |    |                        |              |
| Inspector Comment  |                      |              |    |                        |              |
| DS_ID:21917<br>FS_ID:75517<br>EP_NO: 11293<br>Repair Type: Urgent<br>EVAL Issue: 3b, Flood Risk<br>Crossing Status: Found<br>UCIP Comments: 05/05/2022 Record updated from No Action Needed to Urgent. Pipe above flood plane open on both ends, closure device is not installed on waterside that can prevent flood to the landside. Pipe at riverbank appears replaced, concrete standpipe in the orchard on landside was replaced with corrugated plastic standpipe. Pipe diameter measured on landside slope is 12-inch. Unable to find a permit for modification. (O.Yakimov - DWR UCIP)<br>FIELD_STRUCT_DESC: 14-inch steel irrigation siphon pipe through the levee 7.1 feet below the crown. Pipe begins under broken down pier on the waterside toe and terminates in corrugated plastic standpipe on landside. Air vent on LS slope. (16-inch pipe [HLM 7.27] authorized under Automatic Board Order (ABO) issued as Permit No. 11293, 1975 - John Wilcox). [Additional Reference(s): DWR Levee Log, 2005 (HLM 7.26), listed as 16-inch pipe. USACE Sacramento O&M Manual, Unit 102, April 1959, Revised 29 December 2016, (RM 13.2), listed as 16-inch siphon pipe].<br>FS Date: 5/5/2022 10:20:46 AM |                      |              |    |                        |              |

|          |      |              |    |            |           |
|----------|------|--------------|----|------------|-----------|
| LM Start | 7.25 | Rating **    | U  | Issue No.  | 22 (cont) |
| LM End   | 7.25 | Issue Type + | En | Location * |           |

Photo 1 of 3 : UCIP\_SP\_2023\_75517\_113168.jpg



Water-Side: View of pipe at riverbank

Photo 2 of 3 : UCIP\_SP\_2023\_75517\_113164.jpg



Land-Side: View of pipe on levee slope. Air vent on the top of pipe

|                |                     |                         |  |                                  |  |
|----------------|---------------------|-------------------------|--|----------------------------------|--|
| * 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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                      |              |    |                        |              |
|----------|----------------------|--------------|----|------------------------|--------------|
| LM Start | 7.25                 | Rating **    | U  | Issue No.              | 22 (cont)    |
| LM End   | 7.25                 | Issue Type + | En | Location *             |              |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |              |
|          |                      |              |    | Start                  | End          |
| Item     | DWR UCIP Field Study |              |    | 38.162914°             | 38.162914°   |
|          |                      |              |    | -121.672079°           | -121.672079° |
| DWR ID   | 21917                |              |    |                        |              |

Photo 3 of 3 : UCIP\_SP\_2023\_75517\_113162.jpg



Land-Side: View of pipe inside CPP standpipe

|   |                          |              |     |                        |              |
|---|--------------------------|--------------|-----|------------------------|--------------|
| LM Start  | 7.37                     | Rating **    | A/W | Issue No.              | 111          |
| LM End  | 7.37                     | Issue Type + | Ma  | Location *             | LS           |
| Category  | Earthen Levee            |              |     | GPS Latitude/Longitude |              |
|   |                          |              |     | Start                  | End          |
| Item  | Animal Control           |              |     | 38.161348°             | 38.161348°   |
|   |                          |              |     | -121.673138°           | -121.673138° |
| DWR ID  | DWR_NA0002_02_f_2019_111 |              |     |                        |              |
| Comment Code  |                          |              |     |                        |              |
| A1 : Exterminate rodents and backfill and compact or grout burrows.   |                          |              |     |                        |              |
| Inspector Comment   |                          |              |     |                        |              |
| There were multiple squirrel holes at this location; however the LMA implemented a baiting program over the summer. Monitor the area for new rodent activity. |                          |              |     |                        |              |

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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|   |                      |              |    |                        |              |
|---|----------------------|--------------|----|------------------------|--------------|
| LM Start  | 7.45                 | Rating **    | U  | Issue No.              | 23           |
| LM End  | 7.45                 | Issue Type + | En | Location *             |              |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |              |
|   |                      |              |    | Start                  | End          |
| Item  | DWR UCIP Field Study |              |    | 38.160387°             | 38.160387°   |
|   |                      |              |    | -121.673972°           | -121.673972° |
| DWR ID  | 21918                |              |    |                        |              |
| Comment Code  |                      |              |    |                        |              |
|   |                      |              |    |                        |              |
| Inspector Comment   |                      |              |    |                        |              |
| DS_ID:21918<br>FS_ID:75525<br>EP_NO: 11293<br>Repair Type: Urgent<br>EVAL Issue: 3b, Flood Risk<br>Crossing Status: Found<br>UCIP Comments: 05/05/2022 Record updated from Non-Urgent to Urgent. 14-inch pipe sleeved through 16-inch pipe with annular space not grouted which can pose flood threat to the landside. Unable to find a permit for sleeving. Erosion on WS shoulder noted in last inspection not found. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)<br>05/02/2013 Erosion or sinkhole on WS shoulder. Does not appear to be an immediate threat. (W.Wylie - DWR UCIP)<br>FIELD_STRUCT_DESC: 14-inch steel irrigation siphon pipe sleeved through 16-inch steel pipe through the levee at unknown depth below the crown. Siphon filler pump and service pole on landside (LS) slope. 72-inch concrete sump at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 7.47), listed as 16-inch pipe. USACE Sacramento O&M Manual, Unit 102, April 1959, Revised 29 December 2016, (RM 13.0), listed as 16-inch pipe].<br>FS Date: 5/5/2022 2:50:39 PM |                      |              |    |                        |              |
| LM Start  | 7.45                 | Rating **    | U  | Issue No.              | 23 (cont)    |
| LM End  | 7.45                 | Issue Type + | En | Location *             |              |

Photo 1 of 3 : UCIP\_SP\_2023\_75525\_113176.jpg



Land-Side: Filler pump and its equipment in service box on the top of pipe at levee shoulder

Photo 2 of 3 : UCIP\_SP\_2023\_75525\_113181.jpg



Land-Side: View of open annular space between pipes at levee shoulder

|  |   |  |  |
|--|---|--|--|
| <b>* Location</b><br>LS: Land Side    N/A: Not Applicable<br>WS: Water Side<br>CR: Crown | <b>** Rating</b><br>A: Acceptable<br>M: Minimally Acceptable<br>U: Unacceptable | 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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                      |              |    |                        |              |
|----------|----------------------|--------------|----|------------------------|--------------|
| LM Start | 7.45                 | Rating **    | U  | Issue No.              | 23 (cont)    |
| LM End   | 7.45                 | Issue Type + | En | Location *             |              |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |              |
|          |                      |              |    | Start                  | End          |
| Item     | DWR UCIP Field Study |              |    | 38.160387°             | 38.160387°   |
|          |                      |              |    | -121.673972°           | -121.673972° |
| DWR ID   | 21918                |              |    |                        |              |

Photo 3 of 3 : UCIP\_SP\_2023\_75525\_113178.jpg



Water-Side: View of levee slope looking from crown. Erosion noted in last inspection not found

|          |                         |              |     |                        |              |
|----------|-------------------------|--------------|-----|------------------------|--------------|
| LM Start | 7.57                    | Rating **    | A/W | Issue No.              | 90           |
| LM End   | 7.57                    | Issue Type + | Ma  | Location *             | LS           |
| Category | Earthen Levee           |              |     | GPS Latitude/Longitude |              |
|          |                         |              |     | Start                  | End          |
| Item     | Slope Stability         |              |     | 38.159011°             | 38.159011°   |
|          |                         |              |     | -121.675239°           | -121.675239° |
| DWR ID   | DWR_NA0002_02_s_2019_90 |              |     |                        |              |

**Comment Code**

S1 : Repair slope instability.

**Inspector Comment**

Slope instability causing edge of road to crack and slip. Spring 2023: Repairs on the shoulder were done recently. The upper slope has been covered with plastic for protection. The recently added asphalt is very crumbly in some locations.

Photo 1 of 1 : SP\_2023\_NA0002\_63\_90\_20230518\_00155.jpg



View of the repaired shoulder and plastic cover on the LS slope (Spring 2023).

|  |   |  |  |
|--|---|--|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|   |                         |              |    |                        |              |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start                                | 7.70                    | Rating **    | M  | Issue No.              | 34           |
| LM End                                  | 7.72                    | Issue Type + | En | Location *             | WS           |
| Category                                | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|   |                         |              |    | Start                  | End          |
| Item                                    | Encroachments           |              |    | 38.157975°             | 38.157766°   |
|   |                         |              |    | -121.677348°           | -121.677641° |
| DWR ID                                  | DWR_NA0002_02_s_2023_34 |              |    |                        |              |
| Comment Code                            |                         |              |    |                        |              |
| CA : Campers                            |                         |              |    |                        |              |
| Inspector Comment                       |                         |              |    |                        |              |
| A few tents are set up on the WS slope. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_34\_20230518\_00149.jpg



View of the tents on the WS slope (Spring 2023).

|                                      |                         |              |    |                        |              |
|--------------------------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start                             | 7.73                    | Rating **    | M  | Issue No.              | 83           |
| LM End                               | 7.73                    | Issue Type + | Ma | Location *             | WS           |
| Category                             | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                                      |                         |              |    | Start                  | End          |
| Item                                 | Trim / Thin Trees       |              |    | 38.157658°             | 38.157658°   |
|                                      |                         |              |    | -121.677767°           | -121.677767° |
| DWR ID                               | DWR_NA0002_02_s_2021_83 |              |    |                        |              |
| Comment Code                         |                         |              |    |                        |              |
| T2 : Tree or limb.                   |                         |              |    |                        |              |
| Inspector Comment                    |                         |              |    |                        |              |
| Cut up tree limb on waterside hinge. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_83\_20230206\_00035.jpg



View of cut-up tree limb on the waterside hinge (Spring 2021).

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | 7.77                    | Rating **    | U  | Issue No.              | 62           |
| LM End   | 7.78                    | Issue Type + | Ma | Location *             | LS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Trim / Thin Trees       |              |    | 38.157286°             | 38.157201°   |
|  |                         |              |    | -121.678223°           | -121.678374° |
| DWR ID   | DWR_NA0002_02_f_2021_62 |              |    |                        |              |
| Comment Code                                       |                         |              |    |                        |              |
| T2 : Tree or limb.                                 |                         |              |    |                        |              |
| Inspector Comment                                  |                         |              |    |                        |              |
| Remove large down tree trunks from landside slope. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_62\_20230518\_00151.jpg



View of the tree limbs on the LS slope (Spring 2023).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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  |  | <b>+ Issue Type</b><br>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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|   |                      |              |    |                        |              |  |
|---|----------------------|--------------|----|------------------------|--------------|--|
| LM Start  | 7.79                 | Rating **    | U  | Issue No.              | 24           |  |
| LM End  | 7.79                 | Issue Type + | En | Location *             |              |  |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |              |  |
|   |                      |              |    | Start                  | End          |  |
| Item  | DWR UCIP Field Study |              |    | 38.157035°             | 38.157035°   |  |
|   |                      |              |    | -121.678547°           | -121.678547° |  |
| DWR ID  | 21923                |              |    |                        |              |  |
| Comment Code  |                      |              |    |                        |              |  |
|   |                      |              |    |                        |              |  |
| Inspector Comment   |                      |              |    |                        |              |  |
| DS_ID:21923<br>FS_ID:75561<br>EP_NO: 11272<br>Repair Type: Urgent<br>EVAL Issue: 3b, Flood Risk<br>Crossing Status: Found<br>UCIP Comments: 05/05/2022 Record updated from No Action Needed to Urgent. Annular space between pipes is not grouted that poses flood threat to the landside. 10-inch pipe sleeved through 12-inch pipe, electrical conduit is sleeved through annular space between the pipes, section of pipe on landside slope was replaced with PVC pipe. Unable to find a permit for modifications. Unauthorized encroachment recorded in Levee Log. Need to have CVFPB review ABO and determine current owner.(O.Yakimov - DWR UCIP)<br>FIELD_STRUCT_DESC: 10-inch pipe sleeved through 12-inch steel pipe through the levee 2.1 feet below the crown. Annular space not grouted. Pump on the waterside (WS) slope with butterfly valve. PVC pipe connected via coupler to steel pipe on landside (LS) slope. 1.5-inch galvanized steel electrical conduit at same location. JP and electrical panel on LS berm, electrical panel on WS slope. 36-inch standpipe at the LS toe, sand filters on landside. (10-inch pipe sleeved through 12-inch pipe [HLM 7.82] authorized under Automatic Board Order (ABO) issued as Permit No. 11272, 1975 - Ruth McKinnon). (Emergency partial replacement and extension of pipe on waterside slope authorized under Permit No. 18240, 2007 - Towne Enterprises LP). [Additional Reference(s): DWR Levee Log, 2005 (HLM 7.82), listed as 10-inch sleeved through 12-inch pipe].<br>FS Date: 5/5/2022 10:27:31 AM |                      |              |    |                        |              |  |

Photo 1 of 3 : UCIP\_SP\_2023\_75561\_113219.jpg



Water-Side: 8-inch welded to 10-inch pipe on levee shoulder

| * 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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                      |              |                        |              |                  |
|----------|----------------------|--------------|------------------------|--------------|------------------|
| LM Start | <b>7.79</b>          | Rating **    | U                      | Issue No.    | <b>24 (cont)</b> |
| LM End   | <b>7.79</b>          | Issue Type + | En                     | Location *   |                  |
| Category | Supplemental         |              | GPS Latitude/Longitude |              |                  |
|          |                      |              | Start                  | End          |                  |
| Item     | DWR UCIP Field Study |              | 38.157035°             | 38.157035°   |                  |
|          |                      |              | -121.678547°           | -121.678547° |                  |
| DWR ID   | 21923                |              |                        |              |                  |

Photo 2 of 3 : UCIP\_SP\_2023\_75561\_113223.jpg



Land-Side: 10-inch through 12-inch pipes sleeving visible on levee shoulder

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>7.79</b> | Rating **    | U  | Issue No.  | <b>24 (cont)</b> |
| LM End   | <b>7.79</b> | Issue Type + | En | Location * |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_75561\_113225.jpg



Land-Side: Sand filters off levee toe

|                      |                         |              |    |                        |              |
|----------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start             | 7.91                    | Rating **    | M  | Issue No.              | 35           |
| LM End               | 7.91                    | Issue Type + | En | Location *             | LS           |
| Category             | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                      |                         |              |    | Start                  | End          |
| Item                 | Encroachments           |              |    | 38.155696°             | 38.155696°   |
|                      |                         |              |    | -121.679893°           | -121.679893° |
| DWR ID               | DWR_NA0002_02_s_2023_35 |              |    |                        |              |
| Comment Code         |                         |              |    |                        |              |
| BU : Building        |                         |              |    |                        |              |
| Inspector Comment    |                         |              |    |                        |              |
| Container on LS toe. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_35\_20230518\_00156.jpg



View of the container on the LS toe (Spring 2023).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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  |  | <b>+ Issue Type</b><br>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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|   |                      |              |    |                        |              |
|---|----------------------|--------------|----|------------------------|--------------|
| LM Start  | 7.93                 | Rating **    | U  | Issue No.              | 27           |
| LM End  | 7.93                 | Issue Type + | En | Location *             |              |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |              |
|   |                      |              |    | Start                  | End          |
| Item  | DWR UCIP Field Study |              |    | 38.155494°             | 38.155494°   |
|   |                      |              |    | -121.679988°           | -121.679988° |
| DWR ID  | 21925                |              |    |                        |              |
| Comment Code  |                      |              |    |                        |              |
|   |                      |              |    |                        |              |
| Inspector Comment   |                      |              |    |                        |              |
| DS_ID:21925<br>FS_ID:75567<br>EP_NO: 2795<br>Repair Type: Urgent<br>EVAL Issue: 3b, Flood Risk<br>Crossing Status: Found<br>UCIP Comments: 05/05/2022 Record updated from Non-Urgent to Urgent. Annular space between pipes plugged with tarp at waterside shoulder, this may provide flood threat to the landside. Another 2.5-inch steel pipe open on waterside end sleeved in the space between pipes through the levee. 36-inch concrete standpipe at landside toe has been removed. Unable to find a permit for modifications. Original 20-inch pipe is unauthorized encroachment recorded in Levee Log. (O.Yakimov - DWR UCIP)<br>05/03/2013 Annular space between PVC pipe and 12-inch steel pipe has not been sealed. (W.Wylie - DWR UCIP)<br>FIELD_STRUCT_DESC: 6.5-inch steel irrigation pipe sleeved through a 12-inch steel pipe that is sleeved through the 20-inch pipe of an unknown material through the levee 3 feet below the crown. Annular space not grouted between pipes. Two pumps in pump house at riverbank connected in parallel, butterfly valve on pipe on waterside (WS) slope. 36-inch concrete standpipe at landside (LS) toe, not found. Sand filters, JP and electrical panel at LS toe, 1.5-inch electrical conduit through levee at this location. (12-inch pipe through existing 20-inch pipe authorized under Permit No. 2795, 1958 - Mabel J. Ruble by M. B. McKinnon (agent)). [Additional Reference(s): DWR Levee Log, 2005 (HLM 7.96), listed as 12-inch sleeved through 20-inch pipe].<br>FS Date: 5/5/2022 11:22:20 AM |                      |              |    |                        |              |

Photo 1 of 3 : UCIP\_SP\_2023\_75567\_113240.jpg



Land-Side: Sand filters installed at levee toe

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                      |              |                        |              |                  |
|----------|----------------------|--------------|------------------------|--------------|------------------|
| LM Start | <b>7.93</b>          | Rating **    | U                      | Issue No.    | <b>27 (cont)</b> |
| LM End   | <b>7.93</b>          | Issue Type + | En                     | Location *   |                  |
| Category | Supplemental         |              | GPS Latitude/Longitude |              |                  |
|          |                      |              | Start                  | End          |                  |
| Item     | DWR UCIP Field Study |              | 38.155494°             | 38.155494°   |                  |
|          |                      |              | -121.679988°           | -121.679988° |                  |
| DWR ID   | 21925                |              |                        |              |                  |

Photo 2 of 3 : UCIP\_SP\_2023\_75567\_113243.jpg



Water-Side: View of levee slope looking from crown. Pump house at riverbank

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>7.93</b> | Rating **    | U  | Issue No.  | <b>27 (cont)</b> |
| LM End   | <b>7.93</b> | Issue Type + | En | Location * |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_75567\_113237.jpg



Water-Side: Annular space between pipes plugged with tarp at levee shoulder

|                    |                         |              |    |                        |              |
|--------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start           | 7.93                    | Rating **    | U  | Issue No.              | 72           |
| LM End             | 7.93                    | Issue Type + | Ma | Location *             | LS           |
| Category           | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                    |                         |              |    | Start                  | End          |
| Item               | Trim / Thin Trees       |              |    | 38.155487°             | 38.155487°   |
|                    |                         |              |    | -121.679997°           | -121.679997° |
| DWR ID             | DWR_NA0002_02_f_2021_72 |              |    |                        |              |
| Comment Code       |                         |              |    |                        |              |
| T2 : Tree or limb. |                         |              |    |                        |              |
| Inspector Comment  |                         |              |    |                        |              |
|                    |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_72\_20230206\_00028.jpg



View of large down tree limb on the landside hinge (Fall 2021).

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|   |                           |              |    |                        |              |
|---|---------------------------|--------------|----|------------------------|--------------|
| LM Start  | 7.94                      | Rating **    | U  | Issue No.              | 56           |
| LM End  | 7.94                      | Issue Type + | Ma | Location *             | LS           |
| Category  | Earthen Levee             |              |    | GPS Latitude/Longitude |              |
|   |                           |              |    | Start                  | End          |
| Item  | Vegetation                |              |    | 38.155375°             | 38.155375°   |
|   |                           |              |    | -121.680065°           | -121.680065° |
| DWR ID  | DWR_NA0002_02_f _ 2020_56 |              |    |                        |              |
| Comment Code  |                           |              |    |                        |              |
| V4 : Elderberries are blocking visibility and flood fight capability. |                           |              |    |                        |              |
| Inspector Comment   |                           |              |    |                        |              |
|   |                           |              |    |                        |              |

No Photos

|                                  |                         |              |    |                        |              |
|----------------------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start                         | 7.94                    | Rating **    | U  | Issue No.              | 65           |
| LM End                           | 7.94                    | Issue Type + | Ma | Location *             | LS           |
| Category                         | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                                  |                         |              |    | Start                  | End          |
| Item                             | Trim / Thin Trees       |              |    | 38.155373°             | 38.155373°   |
|                                  |                         |              |    | -121.680090°           | -121.680090° |
| DWR ID                           | DWR_NA0002_02_s_2022_65 |              |    |                        |              |
| Comment Code                     |                         |              |    |                        |              |
| T3 : Fallen tree with root ball. |                         |              |    |                        |              |
| Inspector Comment                |                         |              |    |                        |              |
|                                  |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_65\_20230206\_00019.jpg



View of large down tree on the landside slope (Spring 2022).

|                   |                         |              |    |                        |              |
|-------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start          | 7.95                    | Rating **    | C  | Issue No.              | 63           |
| LM End            | 7.95                    | Issue Type + | En | Location *             | WS           |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                   |                         |              |    | Start                  | End          |
| Item              | Encroachments           |              |    | 38.155224°             | 38.155224°   |
|                   |                         |              |    | -121.680164°           | -121.680164° |
| DWR ID            | DWR_NA0002_02_f_2021_63 |              |    |                        |              |
| Comment Code      |                         |              |    |                        |              |
| FW : Firewood     |                         |              |    |                        |              |
| Inspector Comment |                         |              |    |                        |              |
|                   |                         |              |    |                        |              |

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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start                                     | 8.03                    | Rating **    | U  | Issue No.              | 60           |
| LM End                                       | 8.03                    | Issue Type + | En | Location *             | LS           |
| Category                                     | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Trim / Thin Trees       |              |    | 38.154176°             | 38.154176°   |
|  |                         |              |    | -121.680721°           | -121.680721° |
| DWR ID                                       | DWR_NA0002_02_f_2020_60 |              |    |                        |              |
| Comment Code                                 |                         |              |    |                        |              |
| T2 : Tree or limb.                           |                         |              |    |                        |              |
| Inspector Comment                            |                         |              |    |                        |              |
| Chopped up tree trunk on the landside slope. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_60\_20230206\_00016.jpg



View of chopped up tree trunk on the landside slope (Fall 2020).

|  |                      |              |    |                        |              |
|--|----------------------|--------------|----|------------------------|--------------|
| LM Start   | 8.15                 | Rating **    | M  | Issue No.              | 28           |
| LM End   | 8.15                 | Issue Type + | En | Location *             |              |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |              |
|  |                      |              |    | Start                  | End          |
| Item   | DWR UCIP Field Study |              |    | 38.152550°             | 38.152550°   |
|  |                      |              |    | -121.681560°           | -121.681560° |
| DWR ID   | 21926                |              |    |                        |              |
| Comment Code   |                      |              |    |                        |              |
|  |                      |              |    |                        |              |
| Inspector Comment  |                      |              |    |                        |              |
| DS_ID:21926<br>FS_ID:75571<br>EP_NO: 8661<br>Repair Type: Non-Urgent<br>EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit<br>Crossing Status: Found<br>UCIP Comments: 05/10/2022 Record remains Non-Urgent. Road pavement on the top of crown has been removed in pipe alignment. Unable to find a permit for pipe replacement or modification. No permit has been identified authorizing pipe. Need to have CVFPB review ABO and determine current owner. (O.Yakimov - DWR UCIP)<br>05/03/2013 Dip in crown over alignment of pipe. Good candidate for video inspection. (W.Wylie - DWR UCIP)<br>FIELD_STRUCT_DESC: 8-inch irrigation pipe of an unknown material through the levee, 3.7 feet below the crown. Pump in pump house on the landside (LS) slope. Service pole and 30-inch concrete standpipe at the LS toe. (8-inch pipe [HLM 8.18] authorized under Automatic Board Order (ABO) issued as Permit No. 8661, 1972 - Jesse Marks).<br>[Additional Reference(s): DWR Levee Log, 2005 (HLM 8.18). USACE Sacramento O&M Manual, Unit 102, April 1959, Revised 29 December 2016, (RM 12.2), listed as 8-inch pipe].<br>FS Date: 5/10/2022 1:34:45 PM |                      |              |    |                        |              |

Photo 1 of 3 : UCIP\_SP\_2023\_75571\_113254.jpg



Top of Levee: View of levee crown looking upstream. Removed pavement from the top of crown in pipe alignment

|  |  |   |   |
|--|--|---|---|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector      |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia Donovan |

|          |                      |              |    |                        |                  |
|----------|----------------------|--------------|----|------------------------|------------------|
| LM Start | <b>8.15</b>          | Rating **    | M  | Issue No.              | <b>28 (cont)</b> |
| LM End   | <b>8.15</b>          | Issue Type + | En | Location *             |                  |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |                  |
|          |                      |              |    | Start                  | End              |
| Item     | DWR UCIP Field Study |              |    | 38.152550°             | 38.152550°       |
|          |                      |              |    | -121.681560°           | -121.681560°     |
| DWR ID   | 21926                |              |    |                        |                  |

Photo 2 of 3 : UCIP\_SP\_2023\_75571\_113256.jpg



Water-Side: View of levee slope looking from crown

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>8.15</b> | Rating **    | M  | Issue No.  | <b>28 (cont)</b> |
| LM End   | <b>8.15</b> | Issue Type + | En | Location * |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_75571\_113259.jpg



Water-Side: View of pipe at riverbank

|   |                         |              |    |                        |              |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start  | 8.17                    | Rating **    | M  | Issue No.              | 92           |
| LM End  | 8.17                    | Issue Type + | Ma | Location *             | WS           |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|   |                         |              |    | Start                  | End          |
| Item  | Vegetation              |              |    | 38.152255°             | 38.152255°   |
|   |                         |              |    | -121.681607°           | -121.681607° |
| DWR ID  | DWR_NA0002_02_f_2019_92 |              |    |                        |              |
| Comment Code  |                         |              |    |                        |              |
| V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes. |                         |              |    |                        |              |
| Inspector Comment   |                         |              |    |                        |              |
| Remove arundo on the waterside slope.   |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_92\_20230206\_00041.jpg



View of arundo on the waterside slope (Spring 2021).

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                           |              |    |                        |              |
|----------|---------------------------|--------------|----|------------------------|--------------|
| LM Start | 8.20                      | Rating **    | U  | Issue No.              | 69           |
| LM End   | 8.42                      | Issue Type + | Ma | Location *             | WS           |
| Category | Supplemental              |              |    | GPS Latitude/Longitude |              |
|          |                           |              |    | Start                  | End          |
| Item     | 2018 USACE Erosion Survey |              |    | 38.151867°             | 38.148711°   |
|          |                           |              |    | -121.682201°           | -121.682790° |
| DWR ID   | DWR_NA0002_02_s_2022_69   |              |    |                        |              |

**Comment Code**

**Inspector Comment**

Spring 2023: Noticed scour at LM 8.37 and a tree with exposed roots.  
2018 Site ID: SAC 12.1 L  
Status: Critical  
2018 Field Notes: No observed change.  
Site History: 2010 - Small inlet area behind a man-built spit. Bank is slumping and could possibly be fixed with maintenance. 2011 - Site continues to worsen. 2015 - Upgraded to CRITICAL. 2016 - Site continues to get worse. 2017 - Continues to worsen and threaten the road.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>8.20</b> | Rating **    | U  | Issue No.  | <b>69 (cont)</b> |
| LM End   | <b>8.42</b> | Issue Type + | Ma | Location * | WS               |

Photo 1 of 3 : SP\_2023\_NA0002\_63\_69\_20230518\_00157.jpg



View of the scour at LM 8.37 (Spring 2023).

Photo 2 of 3 : SP\_2023\_NA0002\_63\_69\_20230206\_00024.jpg



USACE 2018 Erosion 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 | <b>N: Not Inspected/Rated</b><br>C: Corrected<br>A/W: Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma: Maintenance Deficiency<br>Ob: Design & System Obsolescence<br>En: Enforcement |
|--|---|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                           |              |    |                        |                  |
|----------|---------------------------|--------------|----|------------------------|------------------|
| LM Start | <b>8.20</b>               | Rating **    | U  | Issue No.              | <b>69 (cont)</b> |
| LM End   | <b>8.42</b>               | Issue Type + | Ma | Location *             | WS               |
| Category | Supplemental              |              |    | GPS Latitude/Longitude |                  |
|          |                           |              |    | Start                  | End              |
| Item     | 2018 USACE Erosion Survey |              |    | 38.151867°             | 38.148711°       |
|          |                           |              |    | -121.682201°           | -121.682790°     |
| DWR ID   | DWR_NA0002_02_s_2022_69   |              |    |                        |                  |

Photo 3 of 3 : SP\_2023\_NA0002\_63\_69\_20230206\_00025.jpg



USACE 2018 Erosion Photo #2

|  |                          |              |    |                        |              |
|--|--------------------------|--------------|----|------------------------|--------------|
| LM Start                                     | 8.32                     | Rating **    | U  | Issue No.              | 158          |
| LM End                                       | 8.35                     | Issue Type + | Ma | Location *             | LS           |
| Category                                     | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|  |                          |              |    | Start                  | End          |
| Item   | Trim / Thin Trees        |              |    | 38.150168°             | 38.149698°   |
|  |                          |              |    | -121.682159°           | -121.682255° |
| DWR ID                                       | DWR_NA0002_02_f_2018_158 |              |    |                        |              |
| Comment Code                                 |                          |              |    |                        |              |
| T3 : Fallen tree with root ball.             |                          |              |    |                        |              |
| Inspector Comment                            |                          |              |    |                        |              |
| Remove the downed trees from landside slope. |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_158\_20230206\_00063.jpg



View of down trees on the landside slope (Spring 2022).

|  |                          |              |    |                        |              |
|--|--------------------------|--------------|----|------------------------|--------------|
| LM Start   | 8.32                     | Rating **    | M  | Issue No.              | 105          |
| LM End   | 8.57                     | Issue Type + | Ma | Location *             | LS           |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|  |                          |              |    | Start                  | End          |
| Item   | Trim / Thin Trees        |              |    | 38.150168°             | 38.146481°   |
|  |                          |              |    | -121.682160°           | -121.682827° |
| DWR ID   | DWR_NA0002_02_f_2021_105 |              |    |                        |              |
| Comment Code   |                          |              |    |                        |              |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. |                          |              |    |                        |              |
| Inspector Comment  |                          |              |    |                        |              |
|  |                          |              |    |                        |              |

No Photos

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|   |                      |              |    |                        |              |  |
|---|----------------------|--------------|----|------------------------|--------------|--|
| LM Start  | 8.38                 | Rating **    | M  | Issue No.              | 29           |  |
| LM End  | 8.38                 | Issue Type + | En | Location *             |              |  |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |              |  |
|   |                      |              |    | Start                  | End          |  |
| Item  | DWR UCIP Field Study |              |    | 38.149203°             | 38.149203°   |  |
|   |                      |              |    | -121.682353°           | -121.682353° |  |
| DWR ID  | 21927                |              |    |                        |              |  |
| Comment Code  |                      |              |    |                        |              |  |
|   |                      |              |    |                        |              |  |
| Inspector Comment   |                      |              |    |                        |              |  |
| DS_ID:21927<br>FS_ID:75573<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>EVAL Issue: 6, Levee Damage or Threat for Levee Damage<br>Crossing Status: Not Found<br>UCIP Comments: 05/10/2022 Record updated from No Action Needed to Non-Urgent. Crossing not found. Erosion or subsidence on waterside levee slope in possible pipe alignment. Geophysical results did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. Unauthorized encroachment recorded in Levee Log. (O.Yakimov - DWR UCIP)<br>FIELD_STRUCT_DESC: 6-inch inactive pipe of an unknown material or purpose through the levee, 6.7 feet below the crown. [Additional Reference(s): DWR Levee Log, 2005 (HLM 8.41), listed as inactive 6-inch pipe].<br>FS Date: 5/10/2022 1:43:55 PM |                      |              |    |                        |              |  |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>8.38</b> | Rating **    | M  | Issue No.  | <b>29 (cont)</b> |
| LM End   | <b>8.38</b> | Issue Type + | En | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2023\_75573\_113263.jpg



Top of Levee: View of levee crown looking towards landside

Photo 2 of 3 : UCIP\_SP\_2023\_75573\_113262.jpg



Land-Side: View of levee slope looking from crown

| * 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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                      |              |    |                        |              |
|----------|----------------------|--------------|----|------------------------|--------------|
| LM Start | 8.38                 | Rating **    | M  | Issue No.              | 29 (cont)    |
| LM End   | 8.38                 | Issue Type + | En | Location *             |              |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |              |
|          |                      |              |    | Start                  | End          |
| Item     | DWR UCIP Field Study |              |    | 38.149203°             | 38.149203°   |
|          |                      |              |    | -121.682353°           | -121.682353° |
| DWR ID   | 21927                |              |    |                        |              |

Photo 3 of 3 : UCIP\_SP\_2023\_75573\_113264.jpg



Water-Side: View of levee slope looking from crown

|   |                          |              |    |                        |              |
|---|--------------------------|--------------|----|------------------------|--------------|
| LM Start  | 8.40                     | Rating **    | U  | Issue No.              | 157          |
| LM End  | 8.40                     | Issue Type + | Ma | Location *             | LS           |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|   |                          |              |    | Start                  | End          |
| Item  | Trim / Thin Trees        |              |    | 38.148959°             | 38.148959°   |
|   |                          |              |    | -121.682385°           | -121.682385° |
| DWR ID  | DWR_NA0002_02_f_2019_157 |              |    |                        |              |
| Comment Code                                    |                          |              |    |                        |              |
| T3 : Fallen tree with root ball.                |                          |              |    |                        |              |
| Inspector Comment                               |                          |              |    |                        |              |
| Remove the downed tree from the landside slope. |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_157\_20230206\_00062.jpg



View of down tree on the landside slope (Spring 2022).

|                    |                          |              |    |                        |              |
|--------------------|--------------------------|--------------|----|------------------------|--------------|
| LM Start           | 8.44                     | Rating **    | M  | Issue No.              | 106          |
| LM End             | 8.44                     | Issue Type + | Ma | Location *             | LS           |
| Category           | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|                    |                          |              |    | Start                  | End          |
| Item               | Trim / Thin Trees        |              |    | 38.148444°             | 38.148444°   |
|                    |                          |              |    | -121.682445°           | -121.682445° |
| DWR ID             | DWR_NA0002_02_f_2021_106 |              |    |                        |              |
| Comment Code       |                          |              |    |                        |              |
| T2 : Tree or limb. |                          |              |    |                        |              |
| Inspector Comment  |                          |              |    |                        |              |
|                    |                          |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_106\_20230206\_00051.jpg



View of down tree on the landside slope (Spring 2022).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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  |  | <b>+ Issue Type</b><br>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 |  |   |  |

# Brannan Andrus Levee Maintenance District

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|  |                           |              |    |                        |              |
|--|---------------------------|--------------|----|------------------------|--------------|
| LM Start   | 8.96                      | Rating **    | U  | Issue No.              | 68           |
| LM End   | 9.31                      | Issue Type + | Ma | Location *             | WS           |
| Category   | Supplemental              |              |    | GPS Latitude/Longitude |              |
|  |                           |              |    | Start                  | End          |
| Item   | 2018 USACE Erosion Survey |              |    | 38.141399°             | 38.136227°   |
|  |                           |              |    | -121.685346°           | -121.687361° |
| DWR ID   | DWR_NA0002_02_s_2022_68   |              |    |                        |              |
| Comment Code   |                           |              |    |                        |              |
|  |                           |              |    |                        |              |
| Inspector Comment  |                           |              |    |                        |              |
| <p>Spring 2023: Noticed new, 20-ft long sloughing at LM 8.97. Two previously noticed locations of erosion/undermining both at LM 9.10 seem to not have worsened much since last fall. 2018 Site ID: SAC 11.2 L</p> <p>Status: Critical</p> <p>2018 Field Notes: Erosion is now into levee crown</p> <p>Site History: 2008 - Erosion causing vertical bank at the highway on top of levee. The whole bank along the highway should be repaired. 2009 - Minimal new erosion. 2011 - Bank continues to slowly erode. 2012 - Upgrade to CRITICAL, new erosion since lat year and steeper slopes in sections. 2015 - Road foundation and cables exposed. Extremely large tree with exposed roots looks likely to fail and take out a significant portion of the levee. 2016 - Site continues to erode. 2017 - New slump section. Erosion under the road has enlarged.</p> |                           |              |    |                        |              |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>8.96</b> | Rating **    | U  | Issue No.  | <b>68 (cont)</b> |
| LM End   | <b>9.31</b> | Issue Type + | Ma | Location * | WS               |

Photo 1 of 4 : SP\_2023\_NA0002\_63\_68\_20230518\_00159.jpg



View of the sloughing at LM 8.97 (Spring 2023).

Photo 2 of 4 : SP\_2023\_NA0002\_63\_68\_20230518\_00160.jpg



Erosion at LM 9.10 by turnout (Spring 2023).

|  |  |   |  |  |  |
|--|--|---|--|--|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                           |              |    |                        |              |
|----------|---------------------------|--------------|----|------------------------|--------------|
| LM Start | 8.96                      | Rating **    | U  | Issue No.              | 68 (cont)    |
| LM End   | 9.31                      | Issue Type + | Ma | Location *             | WS           |
| Category | Supplemental              |              |    | GPS Latitude/Longitude |              |
|          |                           |              |    | Start                  | End          |
| Item     | 2018 USACE Erosion Survey |              |    | 38.141399°             | 38.136227°   |
|          |                           |              |    | -121.685346°           | -121.687361° |
| DWR ID   | DWR_NA0002_02_s_2022_68   |              |    |                        |              |

Photo 3 of 4 : SP\_2023\_NA0002\_63\_68\_20230206\_00022.jpg



USACE 2018 Erosion Photo #1

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>8.96</b> | Rating **    | U  | Issue No.  | <b>68 (cont)</b> |
| LM End   | <b>9.31</b> | Issue Type + | Ma | Location * | WS               |

Photo 4 of 4 : SP\_2023\_NA0002\_63\_68\_20230206\_00023.jpg



USACE 2018 Erosion Photo #2

|                                     |                         |              |    |                        |              |
|-------------------------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start                            | 9.14                    | Rating **    | M  | Issue No.              | 87           |
| LM End                              | 9.14                    | Issue Type + | En | Location *             | LS           |
| Category                            | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|                                     |                         |              |    | Start                  | End          |
| Item                                | Encroachments           |              |    | 38.138718°             | 38.138718°   |
|                                     |                         |              |    | -121.685925°           | -121.685925° |
| DWR ID                              | DWR_NA0002_02_s_2022_87 |              |    |                        |              |
| Comment Code                        |                         |              |    |                        |              |
| BU : Building                       |                         |              |    |                        |              |
| Inspector Comment                   |                         |              |    |                        |              |
| Shipping container at landside toe. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_87\_20230206\_00038.jpg



View of shipping container recently placed at landside toe (Spring 2022).

|  |  |   |   |
|--|--|---|---|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | 9.21                    | Rating **    | U  | Issue No.              | 85           |
| LM End   | 9.21                    | Issue Type + | Ma | Location *             | LS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Trim / Thin Trees       |              |    | 38.137720°             | 38.137720°   |
|  |                         |              |    | -121.686205°           | -121.686205° |
| DWR ID   | DWR_NA0002_02_s_2022_85 |              |    |                        |              |
| Comment Code   |                         |              |    |                        |              |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. |                         |              |    |                        |              |
| Inspector Comment  |                         |              |    |                        |              |
|  |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_85\_20230206\_00037.jpg



View of thick trees on the landside slope (Spring 2022).

|  |                      |              |    |                        |              |  |
|--|----------------------|--------------|----|------------------------|--------------|--|
| LM Start   | 9.22                 | Rating **    | M  | Issue No.              | 31           |  |
| LM End   | 9.22                 | Issue Type + | En | Location *             |              |  |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |              |  |
|  |                      |              |    | Start                  | End          |  |
| Item   | DWR UCIP Field Study |              |    | 38.137486°             | 38.137486°   |  |
|  |                      |              |    | -121.686236°           | -121.686236° |  |
| DWR ID   | 21930                |              |    |                        |              |  |
| Comment Code   |                      |              |    |                        |              |  |
|  |                      |              |    |                        |              |  |
| Inspector Comment  |                      |              |    |                        |              |  |
| DS_ID:21930<br>FS_ID:75591<br>EP_NO: 8006<br>Repair Type: Non-Urgent<br>EVAL Issue: 10, Unauthorized Modification or Non-Compliant Permit<br>Crossing Status: Found<br>UCIP Comments: 05/10/2022 Record updated from No Action Needed to Non-Urgent. Pumphouse has been removed from levee slope, unable to find a permit for modification. No permit has been identified authorizing original 10-inch pipe through the levee. (O.Yakimov - DWR UCIP)<br>FIELD_STRUCT_DESC: 8-inch steel irrigation pipe sleeved through 10-inch steel pipe through the levee 3.8 feet below the crown. Pump in pump house on the landside (LS), not found, slant pump on levee slope. 2-inch galvanized electrical conduit at same location. (8-inch pipe through 10-inch pipe sleeving authorized under Permit No. 8006, 1972 - Frank Emmolo). (Emergency partial replacement and extension of pipe on waterside slope authorized under Permit No. 18239, 2007 - Frank and Alba Emmolo 1995 Trust). [Additional Reference(s): DWR Levee Log, 2005 (HLM 9.26), listed as 8-inch pipe sleeved through 10-inch pipe.USACE Sacramento O&M Manual, Unit 102, April 1959, Revised 29 December 2016, (RM 11.1), listed as 10-inch siphon pipe].<br>FS Date: 5/10/2022 11:16:36 AM |                      |              |    |                        |              |  |

Photo 1 of 3 : UCIP\_SP\_2023\_75591\_113323.jpg



Land-Side: View of levee slope looking from crown

|  |   |  |  |
|--|---|--|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                      |              |                        |              |                  |
|----------|----------------------|--------------|------------------------|--------------|------------------|
| LM Start | <b>9.22</b>          | Rating **    | M                      | Issue No.    | <b>31 (cont)</b> |
| LM End   | <b>9.22</b>          | Issue Type + | En                     | Location *   |                  |
| Category | Supplemental         |              | GPS Latitude/Longitude |              |                  |
|          |                      |              | Start                  | End          |                  |
| Item     | DWR UCIP Field Study |              | 38.137486°             | 38.137486°   |                  |
|          |                      |              | -121.686236°           | -121.686236° |                  |
| DWR ID   | 21930                |              |                        |              |                  |

Photo 2 of 3 : UCIP\_SP\_2023\_75591\_113321.jpg



Water-Side: Pipe, electrical conduit, and pump on levee slope

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>9.22</b> | Rating **    | M  | Issue No.  | <b>31 (cont)</b> |
| LM End   | <b>9.22</b> | Issue Type + | En | Location * |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_75591\_113319.jpg



Water-Side: Sealed annular space between pipes visible on levee slope

|  |                         |              |    |                        |              |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start   | 9.27                    | Rating **    | M  | Issue No.              | 36           |
| LM End   | 9.27                    | Issue Type + | En | Location *             | LS           |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|  |                         |              |    | Start                  | End          |
| Item   | Encroachments           |              |    | 38.136794°             | 38.136794°   |
|  |                         |              |    | -121.686156°           | -121.686156° |
| DWR ID   | DWR_NA0002_02_s_2023_36 |              |    |                        |              |
| Comment Code   |                         |              |    |                        |              |
| MA : Material  |                         |              |    |                        |              |
| Inspector Comment  |                         |              |    |                        |              |
| Grading activities on the LS encroaching onto lower slope and toe. |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_36\_20230518\_00162.jpg



View of the excavated material on the lower LS slope and toe (Spring 2023).

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|   |                          |              |    |                        |              |
|---|--------------------------|--------------|----|------------------------|--------------|
| LM Start  | 9.36                     | Rating **    | M  | Issue No.              | 67           |
| LM End  | 9.61                     | Issue Type + | Ma | Location *             | LS           |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |              |
|   |                          |              |    | Start                  | End          |
| Item  | Animal Control           |              |    | 38.135593°             | 38.131921°   |
|   |                          |              |    | -121.686057°           | -121.686240° |
| DWR ID  | DWR_NA0002_02_s_ 2019_67 |              |    |                        |              |
| Comment Code  |                          |              |    |                        |              |
| A1 : Exterminate rodents and backfill and compact or grout burrows.                           |                          |              |    |                        |              |
| Inspector Comment   |                          |              |    |                        |              |
| Animal holes have been backfilled but there are new holes visible along the LS slope and toe. |                          |              |    |                        |              |

Photo 1 of 2 : SP\_2023\_NA0002\_63\_67\_20230518\_00161.jpg



View of rodent holes on the upper LS slope (Spring 2023).

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>9.36</b> | Rating **    | M  | Issue No.  | <b>67 (cont)</b> |
| LM End   | <b>9.61</b> | Issue Type + | Ma | Location * | LS               |

Photo 2 of 2 : SP\_2023\_NA0002\_63\_67\_20230206\_00021.jpg



View of animal hole on the LS slope (Fall 2022).

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|   |                      |              |    |                        |    |              |
|---|----------------------|--------------|----|------------------------|----|--------------|
| LM Start  | 9.36                 | Rating **    | U  | Issue No.              | 32 |              |
| LM End  | 9.36                 | Issue Type + | En | Location *             |    |              |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |    |              |
|   |                      |              |    | Start                  |    | End          |
| Item  | DWR UCIP Field Study |              |    | 38.135584°             |    | 38.135584°   |
|   |                      |              |    | -121.686108°           |    | -121.686108° |
| DWR ID  | 21931                |              |    |                        |    |              |
| Comment Code  |                      |              |    |                        |    |              |
|   |                      |              |    |                        |    |              |
| Inspector Comment   |                      |              |    |                        |    |              |
| DS_ID:21931<br>FS_ID:75625<br>EP_NO: 16011<br>Repair Type: Urgent<br>EVAL Issue: 3b, Flood Risk<br>Crossing Status: Found<br>UCIP Comments: 05/10/2022 Record updated from Non-Urgent to Urgent. Annular space between pipes is not grouted that poses flood threat to the landside. Erosion around CMP riser on landside levee shoulder of unknown source. (O.Yakimov - DWR UCIP)<br>05/03/2013 Annular space between pipes should be grouted. IF abandoned, these pipes should be abandoned properly. (W.Wylie - DWR UCIP)<br>FIELD_STRUCT_DESC: 12-inch steel irrigation siphon pipe sleeved through 18-inch corrugated metal conduit pipe through the levee 4.5 feet below the crown. Pipe measures 12 inches at the waterside toe and 14-inch on landside. Siphon breaker and air valve in 24-inch corrugated metal riser unit on the landside (LS) shoulder. 9-foot by 5-foot concrete box with slide gate off LS toe. (Two 14-inch pipes authorized under Permit No. 16011, 1993 - CA Department of Transportation). [Additional Reference(s): DWR Levee Log, 2005 (HLM 9.39), listed as inactive 12-inch pipe sleeved through 18-inch pipe].<br>FS Date: 5/10/2022 2:12:17 PM |                      |              |    |                        |    |              |

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>9.36</b> | Rating **    | U  | Issue No.  | <b>32 (cont)</b> |
| LM End   | <b>9.36</b> | Issue Type + | En | Location * |                  |

Photo 1 of 3 : UCIP\_SP\_2023\_75625\_113356.jpg



Land-Side: Filler valve and air release valve inside CMP riser

Photo 2 of 3 : UCIP\_SP\_2023\_75625\_113354.jpg



Land-Side: Erosion on levee shoulder around CMP riser

|  |  |   |   |
|--|--|---|---|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                      |              |                        |              |                  |
|----------|----------------------|--------------|------------------------|--------------|------------------|
| LM Start | <b>9.36</b>          | Rating **    | U                      | Issue No.    | <b>32 (cont)</b> |
| LM End   | <b>9.36</b>          | Issue Type + | En                     | Location *   |                  |
| Category | Supplemental         |              | GPS Latitude/Longitude |              |                  |
|          |                      |              | Start                  | End          |                  |
| Item     | DWR UCIP Field Study |              | 38.135584°             | 38.135584°   |                  |
|          |                      |              | -121.686108°           | -121.686108° |                  |
| DWR ID   | 21931                |              |                        |              |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_75625\_113351.jpg



Water-Side: Not grouted annular space between pipes on levee shoulder

|          |                             |              |                        |              |           |
|----------|-----------------------------|--------------|------------------------|--------------|-----------|
| LM Start | <b>9.37</b>                 | Rating **    | M                      | Issue No.    | <b>33</b> |
| LM End   | <b>9.37</b>                 | Issue Type + | Ma                     | Location *   |           |
| Category | Supplemental                |              | GPS Latitude/Longitude |              |           |
|          |                             |              | Start                  | End          |           |
| Item     | DWR UCIP LMA Responsibility |              | 38.135348°             | 38.135348°   |           |
|          |                             |              | -121.686086°           | -121.686086° |           |
| DWR ID   | 21932                       |              |                        |              |           |

**Comment Code**

**Inspector Comment**

DS\_ID:21932  
FS\_ID:75626  
EP\_NO: N/A  
Repair Type: Non-Urgent  
EVAL Issue:  
Crossing Status: Not Found  
UCIP Comments: 05/10/2022 Record updated from No Action Needed to Non-Urgent. Crossing not found. Geophysical results did not confirm presence of pipe through levee. Record will remain in UCIP's inspection records until future Levee Improvement Project can confirm no crossing was found through the levee. No permit has been identified authorizing pipe. (O.Yakimov - DWR UCIP)

FIELD\_STRUCT\_DESC: 12-inch drainage pipe of an unknown material through the levee, 4 feet below the crown. Open on both ends.  
[Additional Reference(s): DWR Levee Log, 2005 (HLM 9.39). USACE Sacramento O&M Manual, Unit 102, April 1959, Revised 29 December 2016, (RM 10.9), listed as abandoned 12-inch pipe].  
FS Date: 5/10/2022 2:26:15 PM

Photo 1 of 3 : UCIP\_SP\_2023\_75626\_113358.jpg



Top of Levee: View of levee crown looking from waterside

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



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                             |              |    |                        |              |  |
|----------|-----------------------------|--------------|----|------------------------|--------------|--|
| LM Start | 9.37                        | Rating **    | M  | Issue No.              | 33 (cont)    |  |
| LM End   | 9.37                        | Issue Type + | Ma | Location *             |              |  |
| Category | Supplemental                |              |    | GPS Latitude/Longitude |              |  |
|          |                             |              |    | Start                  | End          |  |
| Item     | DWR UCIP LMA Responsibility |              |    | 38.135348°             | 38.135348°   |  |
|          |                             |              |    | -121.686086°           | -121.686086° |  |
| DWR ID   | 21932                       |              |    |                        |              |  |

Photo 2 of 3 : UCIP\_SP\_2023\_75626\_113357.jpg



Water-Side: View of levee slope looking from crown

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>9.37</b> | Rating **    | M  | Issue No.  | <b>33 (cont)</b> |
| LM End   | <b>9.37</b> | Issue Type + | Ma | Location * |                  |

Photo 3 of 3 : UCIP\_SP\_2023\_75626\_113359.jpg



Land-Side: View of levee slope looking from crown

|  |  |   |   |
|--|--|---|---|
| <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 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|          |                           |              |    |                        |              |
|----------|---------------------------|--------------|----|------------------------|--------------|
| LM Start | 9.78                      | Rating **    | M  | Issue No.              | 51           |
| LM End   | 9.93                      | Issue Type + | Ma | Location *             | WS           |
| Category | Supplemental              |              |    | GPS Latitude/Longitude |              |
|          |                           |              |    | Start                  | End          |
| Item     | 2018 USACE Erosion Survey |              |    | 38.129722°             | 38.127672°   |
|          |                           |              |    | -121.687468°           | -121.688646° |
| DWR ID   | DWR_NA0002_02_s_ 2022_51  |              |    |                        |              |

**Comment Code**

**Inspector Comment**

2018 Site ID: SAC 10.8 L

Status: Critical

2018 Field Notes: Site extended upstream and upgraded to CRITICAL. New erosion vertical from levee crown down.

Site History: 2004 - Wave wash pockets approximately 100 ft long with new full bank rock between the pockets. 2005 - Spot repairs, but toe is still eroding in several places. 2006 - Low vertical bank along roadway. 2007 - A PL 84-99 repair was constructed, it cover the majority of the site with the exception of the upstream 150 to 200 ft and the downstream 250 ft, therefore it is being kept in the inventory. 2009 - Minimal new erosion. 2010 - Outboard berm looks good, but the banks are still very steep. 2011 - While the outboard berm is protecting against wave wash, bank still has slumping issues. 2017 - Lots of new woody debris recruitment.

|          |             |              |    |            |                  |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | <b>9.78</b> | Rating **    | M  | Issue No.  | <b>51 (cont)</b> |
| LM End   | <b>9.93</b> | Issue Type + | Ma | Location * | WS               |

Photo 1 of 2 : SP\_2023\_NA0002\_63\_51\_20230206\_00012.jpg



USACE 2018 Erosion Photo #1

Photo 2 of 2 : SP\_2023\_NA0002\_63\_51\_20230206\_00013.jpg



USACE 2018 Erosion Photo #2

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

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2023**

**Brannan Andrus Levee Maintenance District**

| Waterway                     | Bank | Unit Miles | Inspection Start/End     | Inspector         |
|------------------------------|------|------------|--------------------------|-------------------|
| Unit No. 02 Sacramento River | Left | 11.54      | 05/11/2023<br>05/11/2023 | Saskia<br>Donovan |

|   |                         |              |    |                        |              |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start  | 10.54                   | Rating **    | U  | Issue No.              | 89           |
| LM End  | 10.95                   | Issue Type + | Ma | Location *             | WS           |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |              |
|   |                         |              |    | Start                  | End          |
| Item  | Vegetation              |              |    | 38.119445°             | 38.114375°   |
|   |                         |              |    | -121.692811°           | -121.696559° |
| DWR ID  | DWR_NA0002_02_f_2021_89 |              |    |                        |              |
| Comment Code  |                         |              |    |                        |              |
| V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes. |                         |              |    |                        |              |
| Inspector Comment   |                         |              |    |                        |              |
| Trim back arundo.   |                         |              |    |                        |              |

Photo 1 of 1 : SP\_2023\_NA0002\_63\_89\_20230206\_00039.jpg



View looking downstream at arundo on the waterside slope (Fall 2021).

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