

**Flood Control Project Maintenance
Levee Inspections**

Fall 2017 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

| ST0001 | Overall LMA Rating | Total LMA Miles | | | | | | |
|---|------------------------|------------------|--------------|-------------|-------------|---------|------------------------------|---------|
| Sacramento Maintenance Yard Cache Creek | A | 25.43 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| <i>Earthen Levee</i> | | | | | | | | |
| Vegetation | 0.02 | | 0.02 | 0.08% | 0.27 | | | |
| Trim / Thin Trees | 0.15 | | 0.15 | 0.59% | | | | |
| Encroachments | 0.03 | | 0.03 | 0.12% | 2.07 | | | |
| Animal Control | 0.03 | | 0.03 | 0.12% | | | | |
| Erosion / Bank Caving | 0.01 | | 0.01 | 0.04% | | | | |
| <i>Supplemental</i> | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.07 | | | |
| 2017 Storm Damage | 0.01 | | 0.01 | 0.04% | | | | |
| <i>LMA Totals:</i> | 0.25 | 0.00 | 0.25 | 0.98% | 2.41 | 0.00 | 0.00 | 0.00 |
| Unit No. 01 North Levee LB | Overall Unit Rating | Total Unit Miles | | | | | | |
| ST0001 | A | 11.69 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| <i>Earthen Levee</i> | | | | | | | | |
| Vegetation | 0.01 | | 0.01 | 0.09% | 0.17 | | | |
| Trim / Thin Trees | 0.01 | | 0.01 | 0.09% | | | | |
| Encroachments | 0.02 | | 0.02 | 0.17% | 1.26 | | | |
| Animal Control | 0.03 | | 0.03 | 0.26% | | | | |
| <i>Supplemental</i> | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.07 | | | |
| <i>Unit Totals:</i> | 0.07 | 0.00 | 0.07 | 0.60% | 1.50 | 0.00 | 0.00 | 0.00 |
| Unit No. 02 South Levee RB | Overall Unit Rating | Total Unit Miles | | | | | | |
| ST0001 | A | 11.48 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| <i>Earthen Levee</i> | | | | | | | | |
| Vegetation | 0.01 | | 0.01 | 0.09% | 0.10 | | | |
| Trim / Thin Trees | 0.14 | | 0.14 | 1.22% | | | | |
| Encroachments | 0.01 | | 0.01 | 0.09% | 0.81 | | | |
| Erosion / Bank Caving | 0.01 | | 0.01 | 0.09% | | | | |
| <i>Unit Totals:</i> | 0.17 | 0.00 | 0.17 | 1.48% | 0.91 | 0.00 | 0.00 | 0.00 |
| Unit No. 04 East Training Levee of Cache Creek Settling Basin LB | Overall Unit Rating | Total Unit Miles | | | | | | |
| ST0001 | A | 2.26 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| <i>Supplemental</i> | | | | | | | | |
| 2017 Storm Damage | 0.01 | | 0.01 | 0.44% | | | | |
| <i>Unit Totals:</i> | 0.01 | 0.00 | 0.01 | 0.44% | 0.00 | 0.00 | 0.00 | 0.00 |

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2017 Levee Inspection Results

Sacramento Maintenance Yard Cache Creek

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

** 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

| |
|--|
| |
| |
| |
| |
| |
| |
| |
| |

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2017 Levee Inspection Results

Sacramento Maintenance Yard Cache Creek

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 01 North Levee | | | Left | 11.69 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 4/4/2017 - 4/4/2017 | | 9/12/2017 - 9/12/2017 | |
| DWR Inspector | Zach Jojola | | Zach Jojola | |
| 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 - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|--|----------------------------------|--------------|------------------------|------------|-----|
| LM Start | | Rating ** | A | Issue No. | 2 |
| LM End | | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Operations & Maintenance Manuals | | | | |
| DWR ID | DWR_ST0001_01_s_2013_2 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| The Sacramento Maintenance Yard has copies of the O&M Manuals. | | | | | |

No Photos

| | | | | | |
|---|--------------------------------|--------------|------------------------|------------|-----|
| LM Start | | Rating ** | A | Issue No. | 5 |
| LM End | | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Emergency Supplies & Equipment | | | | |
| DWR ID | DWR_ST0001_01_s_2013_5 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| The Sacramento Maintenance Yard maintains a stockpile of flood fight materials. | | | | | |

No Photos

| | | | | | |
|--|-------------------------------|--------------|------------------------|------------|-----|
| LM Start | | Rating ** | A | Issue No. | 21 |
| LM End | | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Flood Preparedness & Training | | | | |
| DWR ID | DWR_ST0001_01_s_2013_21 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| The Sacramento Maintenance Yard remain current on their emergency response training and practices. | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.03 | Rating ** | M | Issue No. | 48 |
| LM End | 0.16 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.715268 ° | 38.716647 ° |
| | | | | -121.825345 ° | -121.823667 ° |
| DWR ID | DWR_ST0001_01_s_2015_48 | | | | |
| Comment Code | | | | | |
| DT : Ditch | | | | | |
| Inspector Comment | | | | | |
| Ditch is located at the levee toe. | | | | | |

Photo 1 of 2 : FA_2017_ST0001_259_48_20170914_00077.jpg



View of the ditch at the landside levee toe. Fall 2017.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.03 | Rating ** | M | Issue No. | 48 (cont) |
| LM End | 0.16 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : FA_2017_ST0001_259_48_20170911_00038.jpg



View of the ditch on the landward side of the levee looking upstream.
Fall 2015.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 1.37 | Rating ** | M | Issue No. | 83 |
| LM End | 1.37 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.722669 ° | 38.722669 ° |
| | | | | -121.808792 ° | -121.808792 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:50432 DS_ID:16270 EP_NO: 6790 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: May need additional signs on LS of levee. FIELD_STRUCT_DESC: 6-inch high-pressure natural gas main of an unknown material through the levee and under the channel, at an unknown depth. Gas line marker on the waterside (WS) slope. (6-inch high-pressure natural gas main authorized under Permit No. 6790, 1969 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 6/16/2016 6:58:00 AM | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.37 | Rating ** | M | Issue No. | 83 (cont) |
| LM End | 1.37 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_FA_2017_50432_60162.jpg



Waterside view: gasline marker

Photo 2 of 3 : UCIP_FA_2017_50432_60161.jpg



Waterside view: closer look at gasline marker

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 1.37 | Rating ** | M | Issue No. | 83 (cont) | |
| LM End | 1.37 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.722669 ° | 38.722669 ° | |
| | | | | -121.808792 ° | -121.808792 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:50432 DS_ID:16270 EP_NO: 6790 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: May need additional signs on LS of levee. FIELD_STRUCT_DESC: 6-inch high-pressure natural gas main of an unknown material through the levee and under the channel, at an unknown depth. Gas line marker on the waterside (WS) slope. (6-inch high-pressure natural gas main authorized under Permit No. 6790, 1969 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 6/16/2016 6:58:00 AM | | | | | | |

Photo 3 of 3 : UCIP_FA_2017_50432_60160.jpg



Landside view: no gasoline marker

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.77 | Rating ** | M | Issue No. | 63 |
| LM End | 1.90 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.728217 ° | 38.729944 ° |
| | | | | -121.806903 ° | -121.806506 ° |
| DWR ID | DWR_ST0001_01_s_2017_63 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_63_20170911_00048.jpg



View of fence on LS slope. Fall 2016.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.80 | Rating ** | M | Issue No. | 32 |
| LM End | 1.80 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.728655 ° | 38.728655 ° |
| | | | | -121.806812 ° | -121.806812 ° |
| DWR ID | DWR_ST0001_01_f_2017_32 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-------------------|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.90 | Rating ** | M | Issue No. | 3 |
| LM End | 1.98 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.730008 ° | 38.731170 ° |
| | | | | -121.806497 ° | -121.806220 ° |
| DWR ID | DWR_ST0001_01_s_2012_3 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 3 : FA_2017_ST0001_259_3_20170914_00078.jpg



View of thick vegetation on landside slope. Fall 2017.

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 1.90 | Rating ** | M | Issue No. | 3 (cont) |
| LM End | 1.98 | Issue Type + | En | Location * | LS |

Photo 2 of 3 : FA_2017_ST0001_259_3_20170911_00003.jpg



View of the landscaping that needs to be trimmed on the landward side of the levee looking downstream. Fall 2015.

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

**Flood Control Project Maintenance
Levee Inspections**

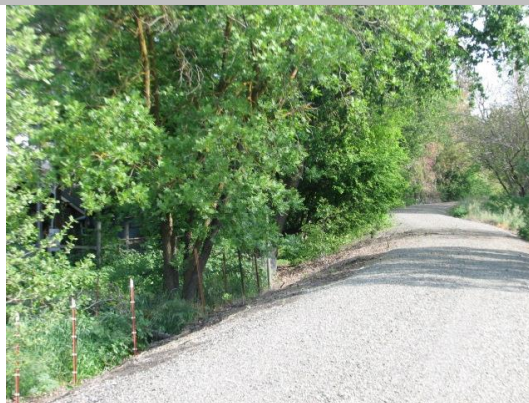
Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|----------|---------------|
| LM Start | 1.90 | Rating ** | M | Issue No. | 3 (cont) | |
| LM End | 1.98 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Vegetation | | | 38.730008 ° | | 38.731170 ° |
| | | | | -121.806497 ° | | -121.806220 ° |
| DWR ID | DWR_ST0001_01_s _ 2012_3 | | | | | |
| Comment Code | | | | | | |
| V6 : Landscaping | | | | | | |
| Inspector Comment | | | | | | |
| | | | | | | |

Photo 3 of 3 : FA_2017_ST0001_259_3_20170911_00002.jpg



The landscape needs to be trimmed up. Spring 2014

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.93 | Rating ** | M | Issue No. | 4 |
| LM End | 1.93 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.730506 ° | 38.730506 ° |
| | | | | -121.806449 ° | -121.806449 ° |
| DWR ID | DWR_ST0001_01_s _ 2012_4 | | | | |
| Comment Code | | | | | |
| BU : Building | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_4_20170911_00004.jpg



The building backs up to the landside levee toe of the levee.

| | | | | | |
|---------------------------------|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.96 | Rating ** | M | Issue No. | 28 |
| LM End | 1.96 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.730860 ° | 38.730860 ° |
| | | | | -121.806332 ° | -121.806332 ° |
| DWR ID | DWR_ST0001_01_s _ 2014_28 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Cactus at the toe of the levee. | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_28_20170911_00026.jpg



The property owner has planted cactus along the toe of the levee. Spring 2014

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.98 | Rating ** | M | Issue No. | 6 |
| LM End | 2.01 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.731166 ° | 38.731620 ° |
| | | | | -121.806215 ° | -121.806032 ° |
| DWR ID | DWR_ST0001_01_s _ 2012_6 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Catus on the waterside berm. | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_6_20170911_00005.jpg



View of the cactus landscaping on the waterward side of the levee looking downstream. Fall 2015.

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.98 | Rating ** | M | Issue No. | 7 |
| LM End | 2.01 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.731167 ° | 38.731614 ° |
| | | | | -121.806217 ° | -121.806032 ° |
| DWR ID | DWR_ST0001_01_s _ 2012_7 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 2 : FA_2017_ST0001_259_7_20170911_00006.jpg



Wild grape and other plants are obstructing the view for inspection. Fall 2011

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 1.98 | Rating ** | M | Issue No. | 7 (cont) |
| LM End | 2.01 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : FA_2017_ST0001_259_7_20170911_00007.jpg



View of the landscaping on the landward side of the levee looking downstream. Fall 2015.

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * 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 - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|-------------------|------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.01 | Rating ** | M | Issue No. | 8 |
| LM End | 2.01 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.731507 ° | 38.731507 ° |
| | | | | -121.806122 ° | -121.806122 ° |
| DWR ID | DWR_ST0001_01_s_2012_8 | | | | |
| Comment Code | | | | | |
| BU : Building | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_8_20170911_00008.jpg



View of the building on the landward side of the levee looking upstream.
Cactus planted at the toe obstructs visibility. Fall 2015.

| | | | | | |
|---------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.01 | Rating ** | M | Issue No. | 33 |
| LM End | 2.01 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.731557 ° | 38.731557 ° |
| | | | | -121.806054 ° | -121.806054 ° |
| DWR ID | DWR_ST0001_01_f_2017_33 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Cactus on landside slope. | | | | | |

No Photos

| | | | | | |
|---------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.02 | Rating ** | M | Issue No. | 36 |
| LM End | 2.02 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.731697 ° | 38.731697 ° |
| | | | | -121.806008 ° | -121.806008 ° |
| DWR ID | DWR_ST0001_01_f_2017_36 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| Prunings at landside toe. | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|--------------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.03 | Rating ** | M | Issue No. | 82 |
| LM End | 2.03 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.731818 ° | 38.731818 ° |
| | | | | -121.805941 ° | -121.805941 ° |
| DWR ID | DWR_ST0001_01_s_ 2017_82 | | | | |
| Comment Code | | | | | |
| FW : Firewood | | | | | |
| Inspector Comment | | | | | |
| Firewood pile at landside levee toe. | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_82_20170911_00058.jpg



Firewood pile at landside levee toe. Spring 2017.

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.05 | Rating ** | M | Issue No. | 10 |
| LM End | 2.05 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.732162 ° | 38.732162 ° |
| | | | | -121.805895 ° | -121.805895 ° |
| DWR ID | DWR_ST0001_01_s_ 2012_10 | | | | |
| Comment Code | | | | | |
| BU : Building | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_10_20170911_00010.jpg



View of the house on the landward side of the levee looking downstream. Fall 2015.

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.06 | Rating ** | M | Issue No. | 11 |
| LM End | 2.06 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.732268 ° | 38.732268 ° |
| | | | | -121.805832 ° | -121.805832 ° |
| DWR ID | DWR_ST0001_01_s_2012_11 | | | | |
| Comment Code | | | | | |
| BU : Building | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_11_20170911_00011.jpg



View of the building on the landward side of the levee looking downstream. Fall 2015.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.08 | Rating ** | M | Issue No. | 13 |
| LM End | 2.08 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.732523 ° | 38.732523 ° |
| | | | | -121.805690 ° | -121.805690 ° |
| DWR ID | DWR_ST0001_01_s_2012_13 | | | | |
| Comment Code | | | | | |
| BU : Building | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_13_20170911_00013.jpg



View of the building on the landward side of the levee looking upstream. Fall 2015.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.12 | Rating ** | M | Issue No. | 12 |
| LM End | 2.12 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.733000 ° | 38.733000 ° |
| | | | | -121.805409 ° | -121.805409 ° |
| DWR ID | DWR_ST0001_01_s_2012_12 | | | | |
| Comment Code | | | | | |
| BU : Building | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_12_20170911_00012.jpg



View of the building on the landward side of the levee looking downstream. Fall 2015.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 2.12 | Rating ** | M | Issue No. | 14 |
| LM End | 2.14 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.733103° | 38.733233° |
| | | | | -121.805330° | -121.805180° |
| DWR ID | DWR_ST0001_01_s_2012_14 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 2 : FA_2017_ST0001_259_14_20170911_00014.jpg



View of the shrubs on the landward side of the levee looking upstream. Fall 2015.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.12 | Rating ** | M | Issue No. | 14 (cont) |
| LM End | 2.14 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : FA_2017_ST0001_259_14_20170911_00015.jpg



Another view of the shrubs. Fall 2016.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.13 | Rating ** | M | Issue No. | 15 |
| LM End | 2.15 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.733215 ° | 38.733350 ° |
| | | | | -121.805262 ° | -121.805082 ° |
| DWR ID | DWR_ST0001_01_s_2012_15 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_15_20170911_00016.jpg



View of the fence on the landward side of the levee looking upstream.
Fall 2015.

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.16 | Rating ** | M | Issue No. | 9 |
| LM End | 2.17 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.733460 ° | 38.733581 ° |
| | | | | -121.804865 ° | -121.804647 ° |
| DWR ID | DWR_ST0001_01_f_2017_9 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| Metal railing on landside hinge point. | | | | | |

No Photos

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.17 | Rating ** | M | Issue No. | 16 |
| LM End | 2.17 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.733580 ° | 38.733580 ° |
| | | | | -121.804650 ° | -121.804650 ° |
| DWR ID | DWR_ST0001_01_s_2012_16 | | | | |
| Comment Code | | | | | |
| BU : Building | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 2 : FA_2017_ST0001_259_16_20170911_00017.jpg



Horse barn and corral are within the easement of the levee.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 2.17 | Rating ** | M | Issue No. | 16 (cont) | |
| LM End | 2.17 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Encroachments | | | 38.733580 ° | | 38.733580 ° |
| | | | | -121.804650 ° | | -121.804650 ° |
| DWR ID | DWR_ST0001_01_s_2012_16 | | | | | |
| Comment Code | | | | | | |
| BU : Building | | | | | | |
| Inspector Comment | | | | | | |
| | | | | | | |

Photo 2 of 2 : FA_2017_ST0001_259_16_20170911_00018.jpg



View of the horse barn on the landward side of the levee looking upstream. Fall 2015.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.20 | Rating ** | M | Issue No. | 81 |
| LM End | 2.20 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.733688 ° | 38.733688 ° |
| | | | | -121.804215 ° | -121.804215 ° |
| DWR ID | DWR_ST0001_01_s_2017_81 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Dead tree stumps on waterside levee slope. | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_81_20170911_00057.jpg



Dead tree stumps on waterside levee slope. Spring 2017.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.26 | Rating ** | M | Issue No. | 84 (cont) |
| LM End | 2.26 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.733675 ° | 38.733675 ° |
| | | | | -121.803009 ° | -121.803009 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:49099 DS_ID:16268 EP_NO: 2415 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: May need to install gasoline marker on WS slope. FIELD_STRUCT_DESC: 20-inch wrapped steel natural gas pipeline through the levee, 4 feet below the crown. Two cutoff walls. Gas line indicator found on the landside (LS) of the levee. (20-inch wrapped steel natural gas pipeline authorized under Permit No. 2415, 1956 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 126, November 1961, (HLM 2.24)]. FS Date: 6/16/2016 7:00:04 AM | | | | | |

Photo 3 of 3 : UCIP_FA_2017_49099_60165.jpg



Landside view: gasoline indicator/flag

| | | | | | |
|-------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.27 | Rating ** | M | Issue No. | 37 |
| LM End | 2.27 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.733676 ° | 38.733676 ° |
| | | | | -121.802958 ° | -121.802958 ° |
| DWR ID | DWR_ST0001_01_f_2017_37 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Wood pile on waterside hinge point. | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|-----------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.54 | Rating ** | M | Issue No. | 78 |
| LM End | 2.61 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.733285 ° | 38.732782 ° |
| | | | | -121.798029 ° | -121.797167 ° |
| DWR ID | DWR_ST0001_01_s_2017_78 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| Wire fence at landside levee toe. | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_78_20170911_00056.jpg



Chain fence at landside levee toe. Spring 2017.

| | | | | | |
|--|----------------------------------|--------------|-----|------------------------|---------------|
| LM Start | 2.57 | Rating ** | A/W | Issue No. | 17 |
| LM End | 2.61 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.732836 ° | 38.732685 ° |
| | | | | -121.797893 ° | -121.797154 ° |
| DWR ID | DWR_ST0001_01_s_2016_17 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Site identified as CRITICAL in 2002. 2006 - Currently constructing a setback levee. New failures present and extensive. Downstream end of the setback levee did not extend far enough. Upstream end was repaired. 2007 - DWR repaired with a setback levee, but the levee did not go far enough downstream. 2012 - New cracks observed. 2013 - Fresh erosion on upper bank. 2015: No observed changes. [2015 Site ID: CHC_2-4_L] | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_17_20170911_00019.jpg



USACE 2013 Photo #1

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|-----------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.62 | Rating ** | M | Issue No. | 77 |
| LM End | 2.64 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.732795 ° | 38.732897 ° |
| | | | | -121.797050 ° | -121.796547 ° |
| DWR ID | DWR_ST0001_01_s_2017_77 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| Wire fence at landside toe. | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_77_20170911_00055.jpg



Chain fence at landside levee toe. Spring 2017.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.67 | Rating ** | M | Issue No. | 71 |
| LM End | 2.74 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.733075 ° | 38.733594 ° |
| | | | | -121.796039 ° | -121.795131 ° |
| DWR ID | DWR_ST0001_01_s_2016_71 | | | | |
| Comment Code | | | | | |
| EQ : Equipment | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_71_20170911_00053.jpg



View of the equipment on the landward side of the levee looking upstream. Spring 2016.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.69 | Rating ** | M | Issue No. | 20 |
| LM End | 2.69 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.733145 ° | 38.733145 ° |
| | | | | -121.795845 ° | -121.795845 ° |
| DWR ID | DWR_ST0001_01_s_2012_20 | | | | |
| Comment Code | | | | | |
| BU : Building | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 2 : FA_2017_ST0001_259_20_20170911_00020.jpg



The corner of the shop is within the easement of the levee. Fall 2011

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 2.69 | Rating ** | M | Issue No. | 20 (cont) | |
| LM End | 2.69 | Issue Type + | En | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Encroachments | | | 38.733145 ° | | 38.733145 ° |
| | | | | -121.795845 ° | | -121.795845 ° |
| DWR ID | DWR_ST0001_01_s_2012_20 | | | | | |
| Comment Code | | | | | | |
| BU : Building | | | | | | |
| Inspector Comment | | | | | | |
| | | | | | | |

Photo 2 of 2 : FA_2017_ST0001_259_20_20170911_00021.jpg



View of the building on the landward side of the levee looking upstream.
Fall 2015.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.02 | Rating ** | C | Issue No. | 56 |
| LM End | 3.02 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.734392 ° | 38.734392 ° |
| | | | | -121.790129 ° | -121.790129 ° |
| DWR ID | DWR_ST0001_01_f_2016_56 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.43 | Rating ** | M | Issue No. | 38 |
| LM End | 3.43 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.733508 ° | 38.733508 ° |
| | | | | -121.784596 ° | -121.784596 ° |
| DWR ID | DWR_ST0001_01_f_2017_38 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Single hole on landside slope. Sac Yard has already baited this location. | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_38_20170914_00079.jpg



View of rodent hole on landside slope. Fall 2017.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|--|----------------------------------|--------------|-----|------------------------|---------------|
| LM Start | 3.48 | Rating ** | A/W | Issue No. | 1 |
| LM End | 3.57 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.732942 ° | 38.731626 ° |
| | | | | -121.784965 ° | -121.785231 ° |
| DWR ID | DWR_ST0001_01_s_2016_1 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2006 - Some significant new erosion, especially fresh upper bank slumping. Still substantial berm. 2010 - Site extended downstream, some new erosion, heavily vegetated and hard to see. Planned setback levee by CA DWR, 60% design complete, construction planned for 2012. 2011 - Construction delayed to 2013 - 2014. 2015: No observed changes. [2015 Site ID: CHC 3-4 L] | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_1_20170911_00001.jpg



USACE 2013 Photo #1

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.60 | Rating ** | C | Issue No. | 62 |
| LM End | 3.60 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.731134 ° | 38.731134 ° |
| | | | | -121.785010 ° | -121.785010 ° |
| DWR ID | DWR_ST0001_01_f_2015_62 | | | | |
| Comment Code | | | | | |
| EQ : Equipment | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.68 | Rating ** | M | Issue No. | 75 |
| LM End | 3.68 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.730051 ° | 38.730051 ° |
| | | | | -121.784336 ° | -121.784336 ° |
| DWR ID | DWR_ST0001_01_s_2017_75 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_75_20170911_00054.jpg



Prunings at landside levee toe. Spring 2017.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|-------------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 3.71 | Rating ** | M | Issue No. | 42 |
| LM End | 3.71 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Encroachments | | 38.729766 ° | 38.729766 ° | |
| | | | -121.784032 ° | -121.784032 ° | |
| DWR ID | DWR_ST0001_01_f_2017_42 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-------------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 3.82 | Rating ** | M | Issue No. | 43 |
| LM End | 3.82 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Encroachments | | 38.728694 ° | 38.728694 ° | |
| | | | -121.782597 ° | -121.782597 ° | |
| DWR ID | DWR_ST0001_01_f_2017_43 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-------------------------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 3.85 | Rating ** | C | Issue No. | 53 |
| LM End | 3.85 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Encroachments | | 38.728712 ° | 38.728712 ° | |
| | | | -121.782011 ° | -121.782011 ° | |
| DWR ID | DWR_ST0001_01_f_2016_53 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| Pruning pile has been burned. | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 4.22 | Rating ** | A/W | Issue No. | 34 |
| LM End | 4.23 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 Storm Damage | | | 38.727207 ° | 38.727187 ° |
| | | | | -121.775521 ° | -121.775450 ° |
| DWR ID | DWR_ST0001_01_f_2017_34 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Levee Evaluation Comments | | | | | |
| Description: | | | | | |
| Site ID No:249 | | | | | |
| Site Designation:LMA-57 | | | | | |
| Repair Type: Erosion | | | | | |
| Rating:Area of Concern | | | | | |
| Field Date:6/2/2017 | | | | | |
| Notes: setback levee site; remaining berm greater than 86 feet, no section taken, photo only. | | | | | |

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 4.22 | Rating ** | A/W | Issue No. | 34 (cont) |
| LM End | 4.23 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : LEVAL_FA_2017_249_954.jpg



Photo 2 of 3 : LEVAL_FA_2017_249_959.jpg



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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|--|
| LM Start | 4.22 | Rating ** | A/W | Issue No. | 34 (cont) | |
| LM End | 4.23 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | 2017 Storm Damage | | | 38.727207 ° | 38.727187 ° | |
| | | | | -121.775521 ° | -121.775450 ° | |
| DWR ID | DWR_ST0001_01_f_2017_34 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| Levee Evaluation Comments | | | | | | |
| Description: | | | | | | |
| Site ID No:249 | | | | | | |
| Site Designation:LMA-57 | | | | | | |
| Repair Type: Erosion | | | | | | |
| Rating:Area of Concern | | | | | | |
| Field Date:6/2/2017 | | | | | | |
| Notes: setback levee site; remaining berm greater than 86 feet, no section taken, photo only. | | | | | | |

Photo 3 of 3 : LEVAL_FA_2017_249_960.jpg



| | | | | | |
|--------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.34 | Rating ** | M | Issue No. | 52 |
| LM End | 4.42 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.726754 ° | 38.726242 ° |
| | | | | -121.773424 ° | -121.772221 ° |
| DWR ID | DWR_ST0001_01_f_2016_52 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| Fence on LS slope. | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_52_20170911_00041.jpg



Fence on landside slope. Fall 2016.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.50 | Rating ** | M | Issue No. | 51 |
| LM End | 4.50 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.725438 ° | 38.725438 ° |
| | | | | -121.771049 ° | -121.771049 ° |
| DWR ID | DWR_ST0001_01_f_2016_51 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_51_20170911_00040.jpg



View of prunings on LS slope. Fall 2016.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.78 | Rating ** | M | Issue No. | 24 |
| LM End | 4.78 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.722590 ° | 38.722590 ° |
| | | | | -121.767294 ° | -121.767294 ° |
| DWR ID | DWR_ST0001_01_s_2012_24 | | | | |
| Comment Code | | | | | |
| EQ : Equipment | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_24_20170911_00022.jpg



View of the aluminum irrigation pipe along the levee toe of the landward side looking upstream. Fall 2015.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 4.98 | Rating ** | M | Issue No. | 85 |
| LM End | 4.98 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.721038 ° | 38.721038 ° |
| | | | | -121.764180 ° | -121.764180 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:49111 DS_ID:16265 EP_NO: 7232 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: May need marker on WS. FIELD_STRUCT_DESC: Telephone conduit of an unknown size or material through the levee, 2.5 feet below the crown. Communications marker located on the east side of Highway 113 on the landside (LS) toe. (Telephone conduit authorized under Permit No. 7232, 1970 - Pacific Telephone and Telegraph Company [PT&T]). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 6/16/2016 7:08:33 AM | | | | | |

Photo 1 of 2 : UCIP_FA_2017_49111_73501.jpg



Sign on LS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 4.98 | Rating ** | M | Issue No. | 85 (cont) |
| LM End | 4.98 | Issue Type + | En | Location * | |

Photo 2 of 2 : UCIP_FA_2017_49111_73500.jpg



Sign on LS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 4.99 | Rating ** | M | Issue No. | 86 | |
| LM End | 4.99 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.721025 ° | 38.721025 ° | |
| | | | | -121.764147 ° | -121.764147 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:49112 | | | | | | |
| DS_ID:16756 | | | | | | |
| EP_NO: 3089 | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Indicator Found | | | | | | |
| UCIP Comments: Signage in disrepair and need signs at Levee. Need to contact owner to determine status of crossing and install new signs if appropriate to do so. | | | | | | |
| FIELD_STRUCT_DESC: 4-inch steel natural gas pipeline through the levee, 4 feet below the crownGas line marker located 500 feet north of the levee crossing at the levee access road/gate. Pipe alignment to east of bridge. (4-inch natural gas pipeline grouted in place and replaced with a 4-inch steel natural gas pipeline to east side of bridge under Permit No. 3089, 1959 - Yolo County Sales Company). | | | | | | |
| [Additional Reference(s): USACE Sacramento O&M Manual 126, November 1961, (HLM 4.98)]. | | | | | | |
| FS Date: 6/16/2016 7:09:02 AM | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 4.99 | Rating ** | M | Issue No. | 86 (cont) |
| LM End | 4.99 | Issue Type + | En | Location * | |

Photo 1 of 2 : UCIP_FA_2017_49112_73504.jpg



Gasline marker next to levee access gate 500-feet north of levee crown.

Photo 2 of 2 : UCIP_FA_2017_49112_73503.jpg



Gasline marker at Best Ranch Road, 1500-feet south of levee crossing.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.67 | Rating ** | M | Issue No. | 59 |
| LM End | 5.67 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.723839 ° | 38.723839 ° |
| | | | | -121.755823 ° | -121.755823 ° |
| DWR ID | DWR_ST0001_01_f_2015_59 | | | | |
| Comment Code | | | | | |
| EQ : Equipment | | | | | |
| Inspector Comment | | | | | |
| Beehives. | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_59_20170911_00046.jpg



View of the beehives on the landward side of the levee looking upstream. Fall 2015.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.72 | Rating ** | M | Issue No. | 45 |
| LM End | 5.75 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.723685 ° | 38.723808 ° |
| | | | | -121.754929 ° | -121.754402 ° |
| DWR ID | DWR_ST0001_01_s_2016_45 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 2 : FA_2017_ST0001_259_45_20170911_00034.jpg



View of prunings on landside slope. Spring 2017.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 5.72 | Rating ** | M | Issue No. | 45 (cont) |
| LM End | 5.75 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : FA_2017_ST0001_259_45_20170911_00035.jpg



View of prunings on landside slope. Fall 2016.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.54 | Rating ** | M | Issue No. | 68 |
| LM End | 6.54 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.728842 ° | 38.728842 ° |
| | | | | -121.742033 ° | -121.742033 ° |
| DWR ID | DWR_ST0001_01_s_2017_68 | | | | |
| Comment Code | | | | | |
| EQ : Equipment | | | | | |
| Inspector Comment | | | | | |
| Multiple bee hives at waterside levee toe | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_68_20170911_00050.jpg



Beehives at waterside levee toe. Spring 2017.

| | | | | | |
|---------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.25 | Rating ** | M | Issue No. | 57 |
| LM End | 7.25 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.727705 ° | 38.727705 ° |
| | | | | -121.729462 ° | -121.729462 ° |
| DWR ID | DWR_ST0001_01_f_2015_57 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Cactus on landside slope. | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_57_20170911_00045.jpg



View of the cactus on the landward side of the levee looking upstream. Fall 2015.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.26 | Rating ** | M | Issue No. | 35 |
| LM End | 7.26 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.727757 ° | 38.727757 ° |
| | | | | -121.729221 ° | -121.729221 ° |
| DWR ID | DWR_ST0001_01_f_2017_35 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_35_20170911_00029.jpg



Prunings at landside levee toe. Spring 2017.

*** Location**

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

**** Rating**

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

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.30 | Rating ** | M | Issue No. | 40 |
| LM End | 7.34 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.727878 ° | 38.728085 ° |
| | | | | -121.728553 ° | -121.727740 ° |
| DWR ID | DWR_ST0001_01_s_2012_40 | | | | |
| Comment Code | | | | | |
| EQ : Equipment | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 2 : FA_2017_ST0001_259_40_20170911_00031.jpg



Irrigation pipe and equipment are within the easement of the levee.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 7.30 | Rating ** | M | Issue No. | 40 (cont) |
| LM End | 7.34 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : FA_2017_ST0001_259_40_20170911_00032.jpg



View of the equipment at the levee toe on the landward side looking downstream. Fall 2015.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.30 | Rating ** | M | Issue No. | 39 |
| LM End | 7.30 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.727870 ° | 38.727870 ° |
| | | | | -121.728527 ° | -121.728527 ° |
| DWR ID | DWR_ST0001_01_s_2012_39 | | | | |
| Comment Code | | | | | |
| BU : Building | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_39_20170911_00030.jpg



The barn and livestock pens are within the easement of the levee.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|---------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.35 | Rating ** | M | Issue No. | 44 |
| LM End | 7.35 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.728149 ° | 38.728149 ° |
| | | | | -121.727528 ° | -121.727528 ° |
| DWR ID | DWR_ST0001_01_f_2017_44 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Cactus on landside slope. | | | | | |

No Photos

| | | | | | |
|------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.36 | Rating ** | M | Issue No. | 26 |
| LM End | 7.78 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.728188 ° | 38.728194 ° |
| | | | | -121.727442 ° | -121.720255 ° |
| DWR ID | DWR_ST0001_01_s_2015_26 | | | | |
| Comment Code | | | | | |
| DT : Ditch | | | | | |
| Inspector Comment | | | | | |
| Ditch is located at the levee toe. | | | | | |

Photo 1 of 2 : FA_2017_ST0001_259_26_20170911_00024.jpg



View of ditch on the landward side of the levee looking upstream. Spring 2015.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 7.36 | Rating ** | M | Issue No. | 26 (cont) |
| LM End | 7.78 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : FA_2017_ST0001_259_26_20170911_00025.jpg



View of the ditch on the landward side of the levee looking upstream. Fall 2015.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.69 | Rating ** | M | Issue No. | 29 |
| LM End | 7.69 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.729027 ° | 38.729027 ° |
| | | | | -121.721683 ° | -121.721683 ° |
| DWR ID | DWR_ST0001_01_s _ 2015_29 | | | | |
| Comment Code | | | | | |
| V4 : Elderberries are blocking visibility and flood fight capability. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.86 | Rating ** | C | Issue No. | 41 |
| LM End | 7.89 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.727543 ° | 38.727341 ° |
| | | | | -121.719083 ° | -121.718676 ° |
| DWR ID | DWR_ST0001_01_f _ 2016_41 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

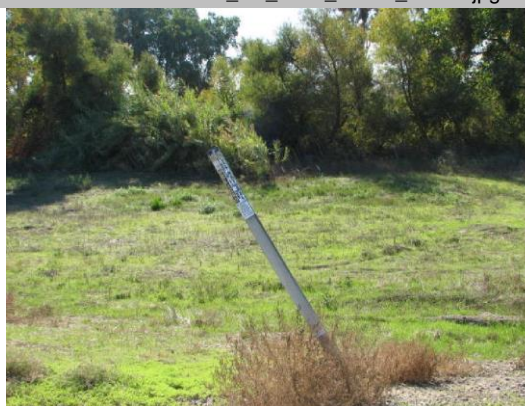
Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|----|---------------|
| LM Start | 7.89 | Rating ** | M | Issue No. | 87 | |
| LM End | 7.89 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.727333 ° | | 38.727333 ° |
| | | | | -121.718558 ° | | -121.718558 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:50811 DS_ID:16264 EP_NO: 12983 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Gasline markers in disrepair and should be replaced. Gasline indicator found on waterside of the levee. FIELD_STRUCT_DESC: 4-inch and 6-inch coated steel natural gas pipelines through the levee and under the Cache Creek Settling Basin, at an unknown depth. (4-inch and 6-inch pipelines authorized under Permit No. 12983, 1980 - Shell Oil Company). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 11/21/2016 7:56:33 AM | | | | | | |

Photo 1 of 2 : UCIP_FA_2017_50811_60197.jpg



Waterside view: gasline indicator

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 7.89 | Rating ** | M | Issue No. | 87 (cont) |
| LM End | 7.89 | Issue Type + | En | Location * | |

Photo 2 of 2 : UCIP_FA_2017_50811_60196.jpg



Landside view: no indicator found.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|--------------------------------------|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 7.94 | Rating ** | M | Issue No. | 50 |
| LM End | 7.94 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.727279° | 38.727279° |
| | | | | -121.717612° | -121.717612° |
| DWR ID | DWR_ST0001_01_f_2015_50 | | | | |
| Comment Code | | | | | |
| EQ : Equipment | | | | | |
| Inspector Comment | | | | | |
| Beehives on waterward side of levee. | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_50_20170911_00039.jpg



View of the beehives on the waterward side of the levee looking upstream. Fall 2015.

| | | | | | |
|---------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.82 | Rating ** | M | Issue No. | 54 |
| LM End | 8.82 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.726496 ° | 38.726496 ° |
| | | | | -121.701895 ° | -121.701895 ° |
| DWR ID | DWR_ST0001_01_f_2017_54 | | | | |
| Comment Code | | | | | |
| EQ : Equipment | | | | | |
| Inspector Comment | | | | | |
| Beehives at landside toe. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.01 | Rating ** | M | Issue No. | 25 |
| LM End | 10.01 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.710296 ° | 38.710296 ° |
| | | | | -121.697480 ° | -121.697480 ° |
| DWR ID | DWR_ST0001_01_f_2015_25 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Approximately 74 holes halfway down the waterside slope. | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 10.40 | Rating ** | M | Issue No. | 88 |
| LM End | 10.40 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.705051 ° | 38.705051 ° |
| | | | | -121.695577 ° | -121.695577 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:52531 | | | | | |
| DS_ID:17115 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: 10/19/16 w/s capped l/s capped | | | | | |
| FIELD_STRUCT_DESC: 18-inch, 0.25-inch-thick soil-proofed steel | | | | | |
| irrigation pipe through the levee, 4 feet below the crown. Pipe used for | | | | | |
| seasonal irrigation. Pipe opening capped on both ends. As-Built | | | | | |
| Drawing North Station 68+00. Pipe installed during Cache Creek | | | | | |
| Settling Basin Enlargement, 1991. | | | | | |
| FS Date: 11/17/2017 8:18:38 AM | | | | | |

Photo 1 of 3 : UCIP_FA_2017_52531_60219.jpg



Crown view: overview

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 10.40 | Rating ** | M | Issue No. | 88 (cont) |
| LM End | 10.40 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_FA_2017_52531_60223.jpg



Waterside view: closer look at capped pipe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 10.40 | Rating ** | M | Issue No. | 88 (cont) | |
| LM End | 10.40 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.705051 ° | | 38.705051 ° |
| | | | | -121.695577 ° | | -121.695577 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:52531 | | | | | | |
| DS_ID:17115 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: 10/19/16 w/s capped l/s capped | | | | | | |
| FIELD_STRUCT_DESC: 18-inch, 0.25-inch-thick soil-proofed steel | | | | | | |
| irrigation pipe through the levee, 4 feet below the crown. Pipe used for | | | | | | |
| seasonal irrigation. Pipe opening capped on both ends. As-Built | | | | | | |
| Drawing North Station 68+00. Pipe installed during Cache Creek | | | | | | |
| Settling Basin Enlargement, 1991. | | | | | | |
| FS Date: 11/17/2017 8:18:38 AM | | | | | | |

Photo 3 of 3 : UCIP_FA_2017_52531_60222.jpg



Waterside view: steel pipe on the slope of the levee

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 10.75 | Rating ** | M | Issue No. | 89 |
| LM End | 10.75 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.701814 ° | 38.701814 ° |
| | | | | -121.690832 ° | -121.690832 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:52532 DS_ID:17119 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/3/2016: Per Ted Skidgel, new cap and gasket installed by farmer on LS vent, and siphon breaker/vent installed on WS. No permit was found for this work. Siphon breaker on WS needs cover. Repair Priority changed from No Action Needed to Non-Urgent. (K. Fazel - UCIP)08/16/2016: Repaired erosion L/S 8/16 pipe repaired by farmer prior to erosion. (T. Skidgel - ST0001). (Note: crossing was downgraded from Urgent to No Action Needed)06/28/2016: Erosion still present off LS shoulder, caused by leaking vent. Erosion to be repaired and backfilled this summer by Sac Yard. Pipe leaking at LS toe into ditch (not affecting levee prism) (K. Fazel - UCIP).2013-2016: Pipe leaks, severe erosion from levee shoulder to pipe daylight on landside levee slope, summer of 2013 repaired erosion,pipe needs repaired. (P. Amatya - DWR) FIELD_STRUCT_DESC: 18-inch, 0.25-inch-thick soil-proofed steel irrigation pipe, 2 feet below the crown. Capped vent on the apex of the pipe off the landside (LS) shoulder. Booster pump located off the LS toe at the LS toe ditch. Another groundwater pump is located a further distance off the LS toe. Pumped groundwater is conveyed to the toe ditch and a booster pump pumps water through the levee and into a waterside (WS) ditch in the Cache Creek Settling Basin. Distribution box off the WS toe at the WS toe ditch. Could not locate a positive closure device. [Additional Reference(s): USACE As-Constructed Drawing North Station 49+50]. FS Date: 11/17/2017 8:19:49 AM | | | | | |

Photo 1 of 3 : UCIP_FA_2017_52532_60148.jpg



Waterside view: pipe in the ditch

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 10.75 | Rating ** | M | Issue No. | 89 (cont) | |
| LM End | 10.75 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.701814 ° | 38.701814 ° | |
| | | | | -121.690832 ° | -121.690832 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:52532 DS_ID:17119 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/3/2016: Per Ted Skidgel, new cap and gasket installed by farmer on LS vent, and siphon breaker/vent installed on WS. No permit was found for this work. Siphon breaker on WS needs cover. Repair Priority changed from No Action Needed to Non-Urgent. (K. Fazel - UCIP)08/16/2016: Repaired erosion L/S 8/16 pipe repaired by farmer prior to erosion. (T. Skidgel - ST0001). (Note: crossing was downgraded from Urgent to No Action Needed)06/28/2016: Erosion still present off LS shoulder, caused by leaking vent. Erosion to be repaired and backfilled this summer by Sac Yard. Pipe leaking at LS toe into ditch (not affecting levee prism) (K. Fazel - UCIP).2013-2016: Pipe leaks, severe erosion from levee shoulder to pipe daylight on landside levee slope, summer of 2013 repaired erosion,pipe needs repaired. (P. Amatya - DWR) FIELD_STRUCT_DESC: 18-inch, 0.25-inch-thick soil-proofed steel irrigation pipe, 2 feet below the crown. Capped vent on the apex of the pipe off the landside (LS) shoulder. Booster pump located off the LS toe at the LS toe ditch. Another groundwater pump is located a further distance off the LS toe. Pumped groundwater is conveyed to the toe ditch and a booster pump pumps water through the levee and into a waterside (WS) ditch in the Cache Creek Settling Basin. Distribution box off the WS toe at the WS toe ditch. Could not locate a positive closure device. [Additional Reference(s): USACE As-Constructed Drawing North Station 49+50]. FS Date: 11/17/2017 8:19:49 AM | | | | | | |

Photo 2 of 3 : UCIP_FA_2017_52532_60147.jpg



Landside view: pipe daylight on LS levee slope

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * 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 - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 10.75 | Rating ** | M | Issue No. | 89 (cont) | |
| LM End | 10.75 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.701814 ° | 38.701814 ° | |
| | | | | -121.690832 ° | -121.690832 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:52532 DS_ID:17119 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/3/2016: Per Ted Skidgel, new cap and gasket installed by farmer on LS vent, and siphon breaker/vent installed on WS. No permit was found for this work. Siphon breaker on WS needs cover. Repair Priority changed from No Action Needed to Non-Urgent. (K. Fazel - UCIP)08/16/2016: Repaired erosion L/S 8/16 pipe repaired by farmer prior to erosion. (T. Skidgel - ST0001). (Note: crossing was downgraded from Urgent to No Action Needed)06/28/2016: Erosion still present off LS shoulder, caused by leaking vent. Erosion to be repaired and backfilled this summer by Sac Yard. Pipe leaking at LS toe into ditch (not affecting levee prism) (K. Fazel - UCIP).2013-2016: Pipe leaks, severe erosion from levee shoulder to pipe daylight on landside levee slope, summer of 2013 repaired erosion,pipe needs repaired. (P. Amatya - DWR) FIELD_STRUCT_DESC: 18-inch, 0.25-inch-thick soil-proofed steel irrigation pipe, 2 feet below the crown. Capped vent on the apex of the pipe off the landside (LS) shoulder. Booster pump located off the LS toe at the LS toe ditch. Another groundwater pump is located a further distance off the LS toe. Pumped groundwater is conveyed to the toe ditch and a booster pump pumps water through the levee and into a waterside (WS) ditch in the Cache Creek Settling Basin. Distribution box off the WS toe at the WS toe ditch. Could not locate a positive closure device. [Additional Reference(s): USACE As-Constructed Drawing North Station 49+50]. FS Date: 11/17/2017 8:19:49 AM | | | | | | |

Photo 3 of 3 : UCIP_FA_2017_52532_60149.jpg



Landside view: pumping plant

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-------------|
| Unit No. 01 North Levee | Left | 11.69 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.42 | Rating ** | M | Issue No. | 58 |
| LM End | 11.42 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.698724 ° | 38.698724 ° |
| | | | | -121.679042 ° | -121.679042 ° |
| DWR ID | DWR_ST0001_01_f_2017_58 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Large rodent hole halfway down landside slope. | | | | | |

Photo 1 of 1 : FA_2017_ST0001_259_58_20170914_00080.jpg



View of large rodent hole on landside slope. Fall 2017.

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

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2017 Levee Inspection Results

Sacramento Maintenance Yard Cache Creek

| Waterway | | | Bank | Unit Miles |
|--|----------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 02 South Levee | | | Right | 11.48 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 3/30/2017 - 4/4/2017 | | 9/13/2017 - 9/13/2017 | |
| DWR Inspector | Zach Jojola | | Zach Jojola | |
| Accompanied By | George "Wade" Wylie 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 - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|-------------|
| Unit No. 02 South Levee | Right | 11.48 | 09/13/2017 09/13/2017 | Zach Jojola |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.18 | Rating ** | N | Issue No. | 10 |
| LM End | 0.18 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.729560 ° | 38.729560 ° |
| | | | | -121.805231 ° | -121.805231 ° |
| DWR ID | DWR_ST0001_02_f_2015_10 | | | | |
| Comment Code | | | | | |
| T5 : Tree stumps. | | | | | |
| Inspector Comment | | | | | |
| The stump is located at the levee toe. | | | | | |

Photo 1 of 1 : FA_2017_ST0001_260_10_20170911_00011.jpg



View of the tree stump at the landward side of the levee looking downstream. Fall 2015.

| | | | | | | |
|---|-------------------------|--------------|----|------------------------|----|---------------|
| LM Start | 0.19 | Rating ** | C | Issue No. | 21 | |
| LM End | 0.19 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Animal Control | | | 38.729650 ° | | 38.729650 ° |
| | | | | -121.805203 ° | | -121.805203 ° |
| DWR ID | DWR_ST0001_02_s_2017_21 | | | | | |
| Comment Code | | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | | |
| Inspector Comment | | | | | | |
| The holes have been grouted. | | | | | | |

No Photos

| | | | | | | |
|-------------------|------------------------|--------------|----|------------------------|----|---------------|
| LM Start | 0.27 | Rating ** | N | Issue No. | 6 | |
| LM End | 0.27 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Trim / Thin Trees | | | 38.730723 ° | | 38.730723 ° |
| | | | | -121.804972 ° | | -121.804972 ° |
| DWR ID | DWR_ST0001_02_s_2014_6 | | | | | |
| Comment Code | | | | | | |
| T5 : Tree stumps. | | | | | | |
| Inspector Comment | | | | | | |
| | | | | | | |

Photo 1 of 1 : FA_2017_ST0001_260_6_20170911_00007.jpg



A large black walnut tree stump is at the toe of the levee. Spring 2014

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * 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 - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|-------------|
| Unit No. 02 South Levee | Right | 11.48 | 09/13/2017 09/13/2017 | Zach Jojola |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.28 | Rating ** | M | Issue No. | 23 |
| LM End | 0.28 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.730989 ° | 38.730989 ° |
| | | | | -121.804910 ° | -121.804910 ° |
| DWR ID | DWR_ST0001_02_s_2017_23 | | | | |
| Comment Code | | | | | |
| PO : Pole | | | | | |
| Inspector Comment | | | | | |
| Power pole in landsde toe of the levee. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.63 | Rating ** | C | Issue No. | 24 |
| LM End | 0.63 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.732698 ° | 38.732698 ° |
| | | | | -121.799853 ° | -121.799853 ° |
| DWR ID | DWR_ST0001_02_s_2017_24 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| The holes have been grouted. | | | | | |

No Photos

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.70 | Rating ** | M | Issue No. | 1 |
| LM End | 0.70 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.732190 ° | 38.732190 ° |
| | | | | -121.798852 ° | -121.798852 ° |
| DWR ID | DWR_ST0001_02_s_2012_1 | | | | |
| Comment Code | | | | | |
| DE : Debris | | | | | |
| Inspector Comment | | | | | |
| Prunings and wooden stakes on landward side. | | | | | |

Photo 1 of 1 : FA_2017_ST0001_260_1_20170911_00001.jpg



View of the prunings and stakes at the toe of the landward side of the levee looking downstream. Fall 2015.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|-------------|
| Unit No. 02 South Levee | Right | 11.48 | 09/13/2017 09/13/2017 | Zach Jojola |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.31 | Rating ** | M | Issue No. | 34 |
| LM End | 1.44 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.733576 ° | 38.734031 ° |
| | | | | -121.787905 ° | -121.785949 ° |
| DWR ID | DWR_ST0001_02_f_2017_34 | | | | |
| Comment Code | | | | | |
| EQ : Equipment | | | | | |
| Inspector Comment | | | | | |
| Stored irrigation pipes at landside toe. | | | | | |

No Photos

| | | | | | | |
|--|-------------------------|--------------|-----|------------------------|---------------|--|
| LM Start | 1.60 | Rating ** | A/W | Issue No. | 16 | |
| LM End | 1.60 | Issue Type + | Ob | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | 2017 Storm Damage | | | 38.731659 ° | 38.731577 ° | |
| | | | | -121.785931 ° | -121.785936 ° | |
| DWR ID | DWR_ST0001_02_f_2017_16 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| Levee Evaluation Comments | | | | | | |
| Description: | | | | | | |
| Site ID No:181 | | | | | | |
| Site Designation:ST1-01 | | | | | | |
| Repair Type: Erosion | | | | | | |
| Rating:Area of Concern | | | | | | |
| Field Date:5/18/2017 | | | | | | |
| Notes: This site was visited under PL84-99 with the USACE, but no data was recorded at the time. USACE did not accept the site for repair because the damage was present before this year. The erosion is on the bank and is starting to cut into the WS toe road. | | | | | | |

Photo 1 of 1 : FA_2017_ST0001_260_16_20170914_00035.jpg



View of storm damage site on waterside berm. Does not appear to be within the levee prism at this time. Fall 2017.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|-------------|
| Unit No. 02 South Levee | Right | 11.48 | 09/13/2017 09/13/2017 | Zach Jojola |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.67 | Rating ** | C | Issue No. | 31 |
| LM End | 1.67 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.730645 ° | 38.730645 ° |
| | | | | -121.786059 ° | -121.786059 ° |
| DWR ID | DWR_ST0001_02_s_2017_31 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| All holes have been grouted. | | | | | |

No Photos

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.68 | Rating ** | M | Issue No. | 20 |
| LM End | 1.68 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.730567 ° | 38.730567 ° |
| | | | | -121.786027 ° | -121.786027 ° |
| DWR ID | DWR_ST0001_02_f_2016_20 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2017_ST0001_260_20_20170911_00021.jpg



View of prunings on LS slope of the levee. Fall 2016.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.95 | Rating ** | C | Issue No. | 33 |
| LM End | 1.95 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.727765 ° | 38.727765 ° |
| | | | | -121.782742 ° | -121.782742 ° |
| DWR ID | DWR_ST0001_02_s_2017_33 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| The hole has been baited and filled. | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|-------------|
| Unit No. 02 South Levee | Right | 11.48 | 09/13/2017 09/13/2017 | Zach Jojola |

| | | | | | |
|-------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.40 | Rating ** | M | Issue No. | 32 |
| LM End | 2.40 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.726183 ° | 38.726183 ° |
| | | | | -121.774861 ° | -121.774861 ° |
| DWR ID | DWR_ST0001_02_f_2017_32 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| Cactus at landside toe. | | | | | |

No Photos

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.40 | Rating ** | M | Issue No. | 3 |
| LM End | 2.43 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.726182 ° | 38.726067 ° |
| | | | | -121.774859 ° | -121.774430 ° |
| DWR ID | DWR_ST0001_02_s_2012_3 | | | | |
| Comment Code | | | | | |
| DE : Debris | | | | | |
| Inspector Comment | | | | | |
| Irrigation lines and broken concrete pipes. | | | | | |

Photo 1 of 2 : FA_2017_ST0001_260_3_20170911_00003.jpg



Additional view of debris at the same site on landward side of the levee.
Fall 2016.

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 2.40 | Rating ** | M | Issue No. | 3 (cont) |
| LM End | 2.43 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : FA_2017_ST0001_260_3_20170911_00004.jpg



View of the concrete pile at the toe of the landward side of the levee
looking downstream. Fall 2015.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|-------------|
| Unit No. 02 South Levee | Right | 11.48 | 09/13/2017 09/13/2017 | Zach Jojola |

| | | | | | |
|---------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.43 | Rating ** | M | Issue No. | 29 |
| LM End | 2.47 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.726036 ° | 38.725836 ° |
| | | | | -121.774340 ° | -121.773688 ° |
| DWR ID | DWR_ST0001_02_f_2017_29 | | | | |
| Comment Code | | | | | |
| EQ : Equipment | | | | | |
| Inspector Comment | | | | | |
| Farm equipment at landside toe. | | | | | |

Photo 1 of 1 : FA_2017_ST0001_260_29_20170914_00034.jpg



View of farm equipment at landside toe. Fall 2017.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.61 | Rating ** | M | Issue No. | 36 |
| LM End | 2.61 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.724457 ° | 38.724457 ° |
| | | | | -121.771757 ° | -121.771757 ° |
| DWR ID | DWR_ST0001_02_s_2017_36 | | | | |
| Comment Code | | | | | |
| V4 : Elderberries are blocking visibility and flood fight capability. | | | | | |
| Inspector Comment | | | | | |
| Trim elderberry bush on landside levee slope. | | | | | |

No Photos

| | | | | | |
|------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.64 | Rating ** | M | Issue No. | 37 |
| LM End | 2.64 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.724129 ° | 38.724129 ° |
| | | | | -121.771383 ° | -121.771383 ° |
| DWR ID | DWR_ST0001_02_s_2017_37 | | | | |
| Comment Code | | | | | |
| PO : Pole | | | | | |
| Inspector Comment | | | | | |
| Pole with no lines attached. | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|-------------|
| Unit No. 02 South Levee | Right | 11.48 | 09/13/2017 09/13/2017 | Zach Jojola |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.14 | Rating ** | C | Issue No. | 18 |
| LM End | 3.24 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.720027 ° | 38.719461 ° |
| | | | | -121.763919 ° | -121.762148 ° |
| DWR ID | DWR_ST0001_02_f_2016_18 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-----------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.14 | Rating ** | M | Issue No. | 15 |
| LM End | 3.52 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.720022 ° | 38.722053 ° |
| | | | | -121.763913 ° | -121.759600 ° |
| DWR ID | DWR_ST0001_02_f_2016_15 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| Wire fence at landside toe. | | | | | |

Photo 1 of 1 : FA_2017_ST0001_260_15_20170911_00018.jpg



View of fence on LS slope. Fall 2016.

| | | | | | |
|-------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.19 | Rating ** | C | Issue No. | 38 |
| LM End | 3.19 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.719734 ° | 38.719734 ° |
| | | | | -121.763158 ° | -121.763158 ° |
| DWR ID | DWR_ST0001_02_s_2017_38 | | | | |
| Comment Code | | | | | |
| T5 : Tree stumps. | | | | | |
| Inspector Comment | | | | | |
| Stump has been removed. | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|-------------|
| Unit No. 02 South Levee | Right | 11.48 | 09/13/2017 09/13/2017 | Zach Jojola |

| | | | | | |
|-----------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.35 | Rating ** | C | Issue No. | 41 |
| LM End | 3.35 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.719861 ° | 38.719861 ° |
| | | | | -121.760246 ° | -121.760246 ° |
| DWR ID | DWR_ST0001_02_f_2017_41 | | | | |
| Comment Code | | | | | |
| DE : Debris | | | | | |
| Inspector Comment | | | | | |
| Prunings have been removed. | | | | | |

No Photos

| | | | | | |
|----------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.38 | Rating ** | M | Issue No. | 17 |
| LM End | 3.38 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.720124 ° | 38.720124 ° |
| | | | | -121.759828 ° | -121.759828 ° |
| DWR ID | DWR_ST0001_02_f_2016_17 | | | | |
| Comment Code | | | | | |
| FW : Firewood | | | | | |
| Inspector Comment | | | | | |
| Firewood pile behind wire fence. | | | | | |

Photo 1 of 1 : FA_2017_ST0001_260_17_20170911_00019.jpg



View of firewood at LS levee toe. Fall 2016.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.50 | Rating ** | M | Issue No. | 12 |
| LM End | 3.50 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.721757 ° | 38.721757 ° |
| | | | | -121.759565 ° | -121.759565 ° |
| DWR ID | DWR_ST0001_02_f_2016_12 | | | | |
| Comment Code | | | | | |
| MA : Material | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2017_ST0001_260_12_20170911_00014.jpg



Pipes are stored at levee toe on landside. Fall 2016.

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * 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 - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|-------------|
| Unit No. 02 South Levee | Right | 11.48 | 09/13/2017 09/13/2017 | Zach Jojola |

| | | | | | |
|---|----------------------------------|--------------|-----|------------------------|---------------|
| LM Start | 3.53 | Rating ** | A/W | Issue No. | 2 |
| LM End | 3.60 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.722138 ° | 38.723294 ° |
| | | | | -121.759736 ° | -121.759588 ° |
| DWR ID | DWR_ST0001_02_s_2016_2 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2010 - Large slump on the upper berm, a tree has recently slid down the slope. 2011 - Large slump and new erosion. 2012 - Slightly steeper slopes and cracks observed. 2015: No observed changes. [2015 Site ID: CHC_3-5_R] | | | | | |

Photo 1 of 1 : FA_2017_ST0001_260_2_20170911_00002.jpg



USACE 2013 Photo #1

| | | | | | |
|-------------------|------------------------|--------------|-----|------------------------|---------------|
| LM Start | 3.53 | Rating ** | A/W | Issue No. | 7 |
| LM End | 3.59 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.722228 ° | 38.723109 ° |
| | | | | -121.759663 ° | -121.759639 ° |
| DWR ID | DWR_ST0001_02_s_2012_7 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2017_ST0001_260_7_20170911_00008.jpg



View of the landscaping and fence on the landward side of the levee looking downstream. Fall 2015.

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.06 | Rating ** | M | Issue No. | 8 |
| LM End | 4.06 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.723997 ° | 38.723997 ° |
| | | | | -121.752505 ° | -121.752505 ° |
| DWR ID | DWR_ST0001_02_s_2012_8 | | | | |
| Comment Code | | | | | |
| BU : Building | | | | | |
| Inspector Comment | | | | | |
| Building is within the easement of the levee. | | | | | |

Photo 1 of 1 : FA_2017_ST0001_260_8_20170911_00009.jpg



View of the building on the landward side of the levee looking downstream. Fall 2015.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|-------------|
| Unit No. 02 South Levee | Right | 11.48 | 09/13/2017 09/13/2017 | Zach Jojola |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.08 | Rating ** | M | Issue No. | 26 |
| LM End | 4.08 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.724200 ° | 38.724200 ° |
| | | | | -121.752272 ° | -121.752272 ° |
| DWR ID | DWR_ST0001_02_f_2013_26 | | | | |
| Comment Code | | | | | |
| EQ : Equipment | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2017_ST0001_260_26_20170911_00026.jpg



View of the equipment at the toe of the landward side of the levee. Fall 2015.

| | | | | | |
|-------------------|------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.09 | Rating ** | M | Issue No. | 9 |
| LM End | 4.18 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.724317 ° | 38.725242 ° |
| | | | | -121.752148 ° | -121.751075 ° |
| DWR ID | DWR_ST0001_02_s_2012_9 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2017_ST0001_260_9_20170911_00010.jpg



View of the landscaping vegetation on the landward side of the levee looking downstream. Fall 2015.

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|-------------|
| Unit No. 02 South Levee | Right | 11.48 | 09/13/2017 09/13/2017 | Zach Jojola |

| | | | | | |
|-------------------|------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.19 | Rating ** | M | Issue No. | 5 |
| LM End | 4.19 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.725409 ° | 38.725409 ° |
| | | | | -121.750907 ° | -121.750907 ° |
| DWR ID | DWR_ST0001_02_f_2016_5 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2017_ST0001_260_5_20170911_00006.jpg



Prunings on LS levee slope. Fall 2016.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.20 | Rating ** | M | Issue No. | 28 |
| LM End | 4.20 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.725449 ° | 38.725449 ° |
| | | | | -121.750856 ° | -121.750856 ° |
| DWR ID | DWR_ST0001_02_f_2017_28 | | | | |
| Comment Code | | | | | |
| EQ : Equipment | | | | | |
| Inspector Comment | | | | | |
| Pipes and farm equipment at landside toe. | | | | | |

No Photos

| | | | | | |
|-----------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.27 | Rating ** | M | Issue No. | 25 |
| LM End | 4.27 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.726237 ° | 38.726237 ° |
| | | | | -121.749889 ° | -121.749889 ° |
| DWR ID | DWR_ST0001_02_f_2017_25 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| Prunings on landside slope. | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|-------------|
| Unit No. 02 South Levee | Right | 11.48 | 09/13/2017 09/13/2017 | Zach Jojola |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.32 | Rating ** | M | Issue No. | 46 |
| LM End | 4.46 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.726439 ° | 38.726932 ° |
| | | | | -121.749033 ° | -121.746585 ° |
| DWR ID | DWR_ST0001_02_s_2017_46 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.42 | Rating ** | M | Issue No. | 4 |
| LM End | 4.42 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.726840 ° | 38.726840 ° |
| | | | | -121.747228 ° | -121.747228 ° |
| DWR ID | DWR_ST0001_02_f_2016_4 | | | | |
| Comment Code | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | |
| Inspector Comment | | | | | |
| Erosion on LS slope near levee toe. | | | | | |

Photo 1 of 1 : FA_2017_ST0001_260_4_20170911_00005.jpg



Erosion on LS levee slope toward the toe. Fall 2016.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.49 | Rating ** | M | Issue No. | 27 |
| LM End | 4.49 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.727065 ° | 38.727065 ° |
| | | | | -121.746002 ° | -121.746002 ° |
| DWR ID | DWR_ST0001_02_f_2013_27 | | | | |
| Comment Code | | | | | |
| BU : Building | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2017_ST0001_260_27_20170911_00027.jpg



View of the horse corral and building on the waterward side of the levee looking downstream. Fall 2015.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|-------------|
| Unit No. 02 South Levee | Right | 11.48 | 09/13/2017 09/13/2017 | Zach Jojola |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.69 | Rating ** | M | Issue No. | 14 |
| LM End | 4.80 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.727588 ° | 38.727158 ° |
| | | | | -121.742387 ° | -121.740499 ° |
| DWR ID | DWR_ST0001_02_s_2016_14 | | | | |
| Comment Code | | | | | |
| DT : Ditch | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 2 : FA_2017_ST0001_260_14_20170911_00016.jpg



View of ditch on landside near the levee toe looking upstream of Cache Creek. Fall 2016.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 4.69 | Rating ** | M | Issue No. | 14 (cont) |
| LM End | 4.80 | Issue Type + | En | Location * | LS |

Photo 2 of 2 : FA_2017_ST0001_260_14_20170911_00017.jpg



View of ditch on landside near the levee toe looking downstream of Cache Creek. Fall 2016.

| | | | | | |
|-----------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.72 | Rating ** | M | Issue No. | 19 |
| LM End | 4.72 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.727475 ° | 38.727475 ° |
| | | | | -121.741747 ° | -121.741747 ° |
| DWR ID | DWR_ST0001_02_f_2017_19 | | | | |
| Comment Code | | | | | |
| EQ : Equipment | | | | | |
| Inspector Comment | | | | | |
| Beehives on waterside berm. | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|-------------|
| Unit No. 02 South Levee | Right | 11.48 | 09/13/2017 09/13/2017 | Zach Jojola |

| | | | | | |
|---|----------------------------------|--------------|-----|------------------------|---------------|
| LM Start | 5.33 | Rating ** | A/W | Issue No. | 13 |
| LM End | 5.37 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.722933 ° | 38.723467 ° |
| | | | | -121.760561 ° | -121.760436 ° |
| DWR ID | DWR_ST0001_02_s_2016_13 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2009 - Erosion into the levee slope. 2010 - Minor new erosion. 2011 - New erosion and a freshly fallen tree. 2012 - New animal holes and slightly steeper slopes. 2013 - New tree popout and 2 feet of erosion along the top bank. 2015: No observed changes. [2015 Site ID: CHC_5-4_L] | | | | | |

Photo 1 of 1 : FA_2017_ST0001_260_13_20170911_00015.jpg



USACE 2013 Photo #1

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

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2017 Levee Inspection Results

Sacramento Maintenance Yard Cache Creek

| Waterway | | | Bank | Unit Miles |
|---|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 04 East Training Levee of Cache Creek Settling Basin | | | Left | 2.26 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 4/5/2017 - 4/5/2017 | | 9/12/2017 - 9/12/2017 | |
| DWR Inspector | Zach Jojola | | Zach Jojola | |
| 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 - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|-------------|
| Unit No. 04 East Training Levee of Cache Creek Settling Basin | Left | 2.26 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.26 | Rating ** | M | Issue No. | 1 |
| LM End | 2.26 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 Storm Damage | | | 38.695424 ° | 38.695253 ° |
| | | | | -121.715914 ° | -121.715926 ° |
| DWR ID | DWR_ST0001_04_f_2017_1 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Levee Evaluation Comments | | | | | |
| Description: | | | | | |
| Site ID No:250 | | | | | |
| Site Designation:LMA-58 | | | | | |
| Repair Type: Erosion | | | | | |
| Rating:Area of Concern | | | | | |
| Field Date:6/2/2017 | | | | | |
| Notes: training levee end slope where it keys into channel /access ramp erosion | | | | | |

Photo 1 of 3 : LEVAL_FA_2017_250_962.jpg



Photo 2 of 3 : LEVAL_FA_2017_250_964.jpg



| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 2.26 | Rating ** | M | Issue No. | 1 (cont) |
| LM End | 2.26 | Issue Type + | Ma | Location * | |

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

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

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

Levee Inspection Report By Mile - Fall 2017

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|----------------|
| Unit No. 04 East Training Levee of Cache Creek Settling Basin | Left | 2.26 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 2.26 | Rating ** | M | Issue No. | 1 (cont) | |
| LM End | 2.26 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | 2017 Storm Damage | | | 38.695424 ° | 38.695253 ° | |
| | | | | -121.715914 ° | -121.715926 ° | |
| DWR ID | DWR_ST0001_04_f _ 2017_1 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| Levee Evaluation Comments | | | | | | |
| Description: | | | | | | |
| Site ID No:250 | | | | | | |
| Site Designation:LMA-58 | | | | | | |
| Repair Type: Erosion | | | | | | |
| Rating:Area of Concern | | | | | | |
| Field Date:6/2/2017 | | | | | | |
| Notes: training levee end slope where it keys into channel /access ramp erosion | | | | | | |

| | | | | | |
|---|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 2.26 | Rating ** | A/W | Issue No. | 3 |
| LM End | 2.26 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.695416 ° | 38.695416 ° |
| | | | | -121.715943 ° | -121.715943 ° |
| DWR ID | DWR_ST0001_04_s _ 2017_3 | | | | |
| Comment Code | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | |
| Inspector Comment | | | | | |
| Scour on waterside levee slope at end of Unit 04 levee. There is no visible active erosion at this time, however future high water events will likely cause further erosion into the levee prism. | | | | | |

View of scour at the end of the Training Levee. Ramp is inaccessible at this time. Fall 2017.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2017

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|-------------|
| Unit No. 04 East Training Levee of Cache Creek Settling Basin | Left | 2.26 | 09/12/2017 09/12/2017 | Zach Jojola |

| | | | | | | |
|---|------------------------|--------------|-----|------------------------|----------|---------------|
| LM Start | 2.26 | Rating ** | A/W | Issue No. | 3 (cont) | |
| LM End | 2.26 | Issue Type + | Ma | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Erosion / Bank Caving | | | 38.695416 ° | | 38.695416 ° |
| | | | | -121.715943 ° | | -121.715943 ° |
| DWR ID | DWR_ST0001_04_s_2017_3 | | | | | |
| Comment Code | | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | | |
| Inspector Comment | | | | | | |
| Scour on waterside levee slope at end of Unit 04 levee. There is no visible active erosion at this time, however future high water events will likely cause further erosion into the levee prism. | | | | | | |

Photo 2 of 2 : FA_2017_ST0001_261_3_20170911_00001.jpg



Scour on waterside levee slope at end of Unit 04 levee. Spring 2017.

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