

**Flood Control Project Maintenance
Levee Inspections**

Fall 2015 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

| ST0012 | Overall LMA Rating | Total LMA Miles | * Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A. | | | | | | |
|---|------------------------|------------------|---|-------------|-------------|---------|------------------------------|---------|--|
| Sacramento Maintenance Yard Willow Slough Bypass | M * | 12.51 | | | | | | | |
| 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> | | | | | | | | | |
| Encroachments | | | | | 0.58 | | | | |
| Animal Control | 0.02 | | 0.02 | 0.16% | | | | | |
| Erosion / Bank Caving | 0.15 | 0.01 | 0.19 | 1.52% | | | | | |
| Cracking | 0.01 | | 0.01 | 0.08% | | | 0.02 | | |
| <i>Supplemental</i> | | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.03 | | | | |
| <i>LMA Totals:</i> | 0.18 | 0.01 | 0.22 | 1.76% * | 0.61 | 0.00 | 0.02 | 0.00 | |
| Unit No. 01 Willow Slough Bypass or North Levee LB | Overall Unit Rating | Total Unit Miles | * Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A. | | | | | | |
| ST0012 | M * | 5.05 | | | | | | | |
| 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> | | | | | | | | | |
| Encroachments | | | | | 0.31 | | | | |
| Animal Control | 0.02 | | 0.02 | 0.40% | | | | | |
| Erosion / Bank Caving | 0.07 | 0.01 | 0.11 | 2.18% | | | | | |
| <i>Supplemental</i> | | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.01 | | | | |
| <i>Unit Totals:</i> | 0.09 | 0.01 | 0.13 | 2.57% * | 0.32 | 0.00 | 0.00 | 0.00 | |
| Unit No. 02 Willow Slough Bypass or South Levee RB | Overall Unit Rating | Total Unit Miles | | | | | | | |
| ST0012 | A | 7.46 | | | | | | | |
| 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> | | | | | | | | | |
| Encroachments | | | | | 0.27 | | | | |
| Erosion / Bank Caving | 0.08 | | 0.08 | 1.07% | | | | | |
| Cracking | 0.01 | | 0.01 | 0.13% | | | 0.02 | | |
| <i>Supplemental</i> | | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.02 | | | | |
| <i>Unit Totals:</i> | 0.09 | 0.00 | 0.09 | 1.21% | 0.29 | 0.00 | 0.02 | 0.00 | |

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Fall 2015 Levee Inspection Results**

Sacramento Maintenance Yard Willow Slough Bypass

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

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

* **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | | Bank | Unit Miles | |
|---|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 01 Willow Slough Bypass or North Levee | | Left | 5.05 | |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | M | |
| Date of Inspection | 04/16/2015 - 04/16/2015 | | 10/15/2015 - 10/15/2015 | |
| DWR Inspector | Jai Lor | | Jai Lor | |
| 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 2015

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|-----------|
| Unit No. 01 Willow Slough Bypass or North Levee | Left | 5.05 | 10/15/2015 10/15/2015 | Jai Lor |

| | | | | | |
|--|----------------------------------|--------------|------------------------|------------|----------|
| LM Start | | Rating ** | A | Issue No. | 6 |
| LM End | | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Operations & Maintenance Manuals | | | ° | ° |
| DWR ID | DWR_ST0012_01_s_2013_6 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: Sacramento Maintenance Yard has copies of their levee manuals. | | | | | |

No Photos

| | | | | | |
|---|--------------------------------|--------------|------------------------|------------|----------|
| LM Start | | Rating ** | A | Issue No. | 7 |
| LM End | | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Emergency Supplies & Equipment | | | ° | ° |
| DWR ID | DWR_ST0012_01_s_2013_7 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: Sacramento Maintenance Yard has a stockpile of flood response material. | | | | | |

No Photos

| | | | | | |
|--|-------------------------------|--------------|------------------------|------------|----------|
| LM Start | | Rating ** | A | Issue No. | 8 |
| LM End | | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Flood Preparedness & Training | | | ° | ° |
| DWR ID | DWR_ST0012_01_s_2013_8 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: Sacramento Maintenance Yard has a written flood response plan and flood response training. | | | | | |

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 2015

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|-----------|
| Unit No. 01 Willow Slough Bypass or North Levee | Left | 5.05 | 10/15/2015 10/15/2015 | Jai Lor |

| | | | | | |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 0.90 | Rating ** | A/W | Issue No. | 16 |
| LM End | 0.90 | Issue Type + | Ob | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Cracking | | 38.590456 ° | 38.590456 ° | |
| | | | -121.681952 ° | -121.681952 ° | |
| DWR ID | DWR_ST0012_01_f_2015_16 | | | | |
| Action/Comments | | | | | |
| Monitor and have inspected by geotechnical engineer. | | | | | |

Photo 1 of 2 : FA_2015_ST0012_295_16_20151019_00026.jpg



View of the dessication cracking on the landward side of the levee. Fall 2015.

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.90 | Rating ** | A/W | Issue No. | 16 (cont) |
| LM End | 0.90 | Issue Type + | Ob | Location * | LS |

Photo 2 of 2 : FA_2015_ST0012_295_16_20151019_00028.jpg



Perspective view of the crack looking downstream. Fall 2015.

| | | | | | |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 1.86 | Rating ** | A/W | Issue No. | 15 |
| LM End | 1.88 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Cracking | | 38.590378 ° | 38.590379 ° | |
| | | | -121.699630 ° | -121.699920 ° | |
| DWR ID | DWR_ST0012_01_f_2015_15 | | | | |
| Action/Comments | | | | | |
| Monitor and have inspected by geotechnical engineer. Inspector Comments: Cracks starting to form on the waterward slope. | | | | | |

Photo 1 of 3 : FA_2015_ST0012_295_15_20151019_00014.jpg



Perspective view of the crack on the crown 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 2015

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|-----------|
| Unit No. 01 Willow Slough Bypass or North Levee | Left | 5.05 | 10/15/2015 10/15/2015 | Jai Lor |

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|------------------|
| LM Start | 1.86 | Rating ** | A/W | Issue No. | 15 (cont) |
| LM End | 1.88 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Cracking | | | 38.590378 ° | 38.590379 ° |
| | | | | -121.699630 ° | -121.699920 ° |
| DWR ID | DWR_ST0012_01_f_2015_15 | | | | |
| Action/Comments | | | | | |
| Monitor and have inspected by geotechnical engineer. Inspector Comments: Cracks starting to form on the waterward slope. | | | | | |

Photo 2 of 3 : FA_2015_ST0012_295_15_20151019_00018.jpg



Cracks are starting to form on the waterward slope of the levee looking downstream. Fall 2015.

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 1.86 | Rating ** | A/W | Issue No. | 15 (cont) |
| LM End | 1.88 | Issue Type + | Ma | Location * | CR |

Photo 3 of 3 : FA_2015_ST0012_295_15_20151019_00019.jpg



There is another crack perpendicular to the crack on the levee crown. Fall 2015.

| | | | | | |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.88 | Rating ** | A/W | Issue No. | 14 |
| LM End | 1.89 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Cracking | | | 38.590382 ° | 38.590387 ° |
| | | | | -121.700075 ° | -121.700233 ° |
| DWR ID | DWR_ST0012_01_f_2015_14 | | | | |
| Action/Comments | | | | | |
| Monitor and have inspected by geotechnical engineer. | | | | | |

Photo 1 of 1 : FA_2015_ST0012_295_14_20151019_00022.jpg



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

| | | | |
|--|--|---|---|
| * Location LS : Land Side 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 2015

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|-----------|
| Unit No. 01 Willow Slough Bypass or North Levee | Left | 5.05 | 10/15/2015 10/15/2015 | Jai Lor |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.93 | Rating ** | M | Issue No. | 10 |
| LM End | 3.00 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.590572 ° | 38.590653 ° |
| | | | | -121.719349 ° | -121.720714 ° |
| DWR ID | DWR_ST0012_01_s_2015_10 | | | | |
| Action/Comments | | | | | |
| Schedule repair of erosion site prior to the next inspection. | | | | | |

Photo 1 of 1 : FA_2015_ST0012_295_10_20151019_00013.jpg



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

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.04 | Rating ** | U | Issue No. | 13 |
| LM End | 3.04 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.590660 ° | 38.590660 ° |
| | | | | -121.721460 ° | -121.721460 ° |
| DWR ID | DWR_ST0012_01_f_2015_13 | | | | |
| Action/Comments | | | | | |
| Schedule repair of erosion site prior to the next inspection. | | | | | |

Photo 1 of 3 : FA_2015_ST0012_295_13_20151019_00009.jpg



Perspective view of the erosion on the landward side of the levee looking upstream. Fall 2015.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 3.04 | Rating ** | U | Issue No. | 13 (cont) |
| LM End | 3.04 | Issue Type + | Ma | Location * | LS |

Photo 2 of 3 : FA_2015_ST0012_295_13_20151019_00011.jpg



Close up view of the erosion on the landward side of the levee. 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 2015

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|-----------|
| Unit No. 01 Willow Slough Bypass or North Levee | Left | 5.05 | 10/15/2015 10/15/2015 | Jai Lor |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|------------------|
| LM Start | 3.04 | Rating ** | U | Issue No. | 13 (cont) |
| LM End | 3.04 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.590660 ° | 38.590660 ° |
| | | | | -121.721460 ° | -121.721460 ° |
| DWR ID | DWR_ST0012_01_f_2015_13 | | | | |
| Action/Comments | | | | | |
| Schedule repair of erosion site prior to the next inspection. | | | | | |

Photo 3 of 3 : FA_2015_ST0012_295_13_20151019_00012.jpg



The erosion continues onto the slope of the channel. Fall 2015.

| | | | | | |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.37 | Rating ** | C | Issue No. | 9 |
| LM End | 3.37 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 38.590650 ° | 38.590650 ° |
| | | | | -121.727581 ° | -121.727581 ° |
| DWR ID | DWR_ST0012_01_s_2015_9 | | | | |
| Action/Comments | | | | | |
| Add appropriate material and re-grade the levee to bring the crown above the design elevation. | | | | | |

No Photos

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.50 | Rating ** | A | Issue No. | 5 |
| LM End | 5.05 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.590709 ° | 38.599967 ° |
| | | | | -121.729829 ° | -121.753108 ° |
| DWR ID | DWR_ST0012_01_f_2015_5 | | | | |
| Action/Comments | | | | | |
| Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Sac Yard has burned and dragged the slope. | | | | | |

Photo 1 of 1 : FA_2015_ST0012_295_5_20151019_00005.jpg



View of the vegetation 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 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 2015

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|-----------|
| Unit No. 01 Willow Slough Bypass or North Levee | Left | 5.05 | 10/15/2015 10/15/2015 | Jai Lor |

| | | | | | |
|---|------------------------|--------------|------------------------|---------------|----------|
| LM Start | 3.50 | Rating ** | A | Issue No. | 3 |
| LM End | 5.05 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.590709 ° | 38.599967 ° | |
| | | | -121.729829 ° | -121.753109 ° | |
| DWR ID | DWR_ST0012_01_f_2015_3 | | | | |
| Action/Comments | | | | | |
| Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Sac Yard has mowed the slopes. | | | | | |

Photo 1 of 1 : FA_2015_ST0012_295_3_20151019_00004.jpg



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

| | | | | | |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 3.90 | Rating ** | M | Issue No. | 12 |
| LM End | 3.90 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Animal Control | | 38.594149 ° | 38.594149 ° | |
| | | | -121.735254 ° | -121.735254 ° | |
| DWR ID | DWR_ST0012_01_f_2015_12 | | | | |
| Action/Comments | | | | | |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |

Photo 1 of 1 : FA_2015_ST0012_295_12_20151019_00008.jpg



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

| | | | | | |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 3.94 | Rating ** | M | Issue No. | 11 |
| LM End | 3.94 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Animal Control | | 38.594645 ° | 38.594645 ° | |
| | | | -121.735712 ° | -121.735712 ° | |
| DWR ID | DWR_ST0012_01_f_2015_11 | | | | |
| Action/Comments | | | | | |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Connected rodent holes seem to have caved in. | | | | | |

Photo 1 of 1 : FA_2015_ST0012_295_11_20151019_00007.jpg



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

| | | | |
|--|--|--|---|
| * Location LS : Land Side 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 2015

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|------|------------|--------------------------|-----------|
| Unit No. 01 Willow Slough Bypass or North Levee | Left | 5.05 | 10/15/2015 10/15/2015 | Jai Lor |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 4.30 | Rating ** | M | Issue No. | 18 |
| LM End | 4.30 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.598840 ° | 38.598840 ° |
| | | | | -121.739600 ° | -121.739600 ° |
| DWR ID | | | | | |
| Action/Comments | | | | | |
| Inspector Comments: FS_ID:29303 DS_ID:17684 EP_NO: N/A FS_HLM: 4.315 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: PG&E may provide further info FIELD_STRUCT_DESC: 8-inch gas main pipeline through both levees.(PG&E). O&M manual 120, revision Dec 2010. FS Date: 05/28/2013 | | | | | |

No Photos

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.30 | Rating ** | M | Issue No. | 4 |
| LM End | 4.61 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.598876 ° | 38.599845 ° |
| | | | | -121.739640 ° | -121.745007 ° |
| DWR ID | DWR_ST0012_01_s_2012_4 | | | | |
| Action/Comments | | | | | |
| Ditch Inspector Comments: Ditch is at the levee toe. | | | | | |

Photo 1 of 1 : FA_2015_ST0012_295_4_20151019_00006.jpg



View of the ditch 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**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | | Bank | Unit Miles | |
|---|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 02 Willow Slough Bypass or South Levee | | Right | 7.46 | |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 04/16/2015 - 04/16/2015 | | 10/15/2015 - 10/15/2015 | |
| DWR Inspector | Jai Lor | | Jai Lor | |
| 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 2015

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/15/2015 10/15/2015 | Jai Lor |

| | | | | | |
|--|------------------------|--------------|------------------------|---------------|----------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 4 |
| LM End | 7.46 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.598969 ° | 38.574366 ° | |
| | | | -121.754383 ° | -121.638744 ° | |
| DWR ID | DWR_ST0012_02_f_2015_4 | | | | |
| Action/Comments | | | | | |
| Control annual grass and weeds on the levee slopes and easements. Inspector Comments: LMA has maintained levee slope and in compliance. | | | | | |

Photo 1 of 1 : FA_2015_ST0012_296_4_20151019_00015.jpg



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

| | | | | | |
|--|------------------------|--------------|------------------------|---------------|----------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 6 |
| LM End | 7.46 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.598969 ° | 38.574366 ° | |
| | | | -121.754383 ° | -121.638744 ° | |
| DWR ID | DWR_ST0012_02_f_2015_6 | | | | |
| Action/Comments | | | | | |
| Control annual grass and weeds on the levee slopes and easements. Inspector Comments: LMA has maintained levee slope and in compliance. | | | | | |

Photo 1 of 1 : FA_2015_ST0012_296_6_20151019_00014.jpg



View of the vegetation 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 2015

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/15/2015 10/15/2015 | Jai Lor |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.07 | Rating ** | M | Issue No. | 25 |
| LM End | 0.07 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.599100 ° | 38.599100 ° |
| | | | | -121.753260 ° | -121.753260 ° |
| DWR ID | | | | | |
| Action/Comments | | | | | |
| Inspector Comments: FS_ID:45283 DS_ID:17703 EP_NO: 15811 FS_HLM: 0 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to contact owner of pipe to place indicators on levee FIELD_STRUCT_DESC: Replace existing 4-inch diameter natural gas pipeline with an 8-inch diameter natural gas pipeline under the channel and within both banks of Willow Slough. Application No. 15811. FS Date: 05/14/2015 | | | | | |

No Photos

| | | | | | |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.14 | Rating ** | M | Issue No. | 17 |
| LM End | 0.14 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.599127 ° | 38.599127 ° |
| | | | | -121.751916 ° | -121.751916 ° |
| DWR ID | DWR_ST0012_02_f_2015_17 | | | | |
| Action/Comments | | | | | |
| Building | | | | | |

Photo 1 of 1 : FA_2015_ST0012_296_17_20151019_00016.jpg



View of the beehives 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 2015

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/15/2015 10/15/2015 | Jai Lor |

| | | | | | |
|--------------------------------|------------------------|--------------|----|------------------------|-----------------|
| LM Start | 2.04 | Rating ** | M | Issue No. | 5 (cont) |
| LM End | 2.04 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.589906 ° | 38.589906 ° |
| | | | | -121.722218 ° | -121.722218 ° |
| DWR ID | DWR_ST0012_02_s_2012_5 | | | | |
| Action/Comments | | | | | |
| Note and monitor erosion site. | | | | | |

Photo 2 of 2 : FA_2015_ST0012_296_5_20151019_00019.jpg



View of the erosion on the edge of the channel on the waterward side of the levee looking downstream. Fall 2015.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.25 | Rating ** | M | Issue No. | 19 |
| LM End | 2.25 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.589845 ° | 38.589845 ° |
| | | | | -121.718292 ° | -121.718292 ° |
| DWR ID | DWR_ST0012_02_f_2015_19 | | | | |
| Action/Comments | | | | | |
| Note and monitor erosion site. Inspector Comments: Erosion creeping onto toe road. | | | | | |

Photo 1 of 1 : FA_2015_ST0012_296_19_20151019_00020.jpg



View of the erosion at the edge of the channel on the waterward side of the levee looking downstream. Fall 2015.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.73 | Rating ** | M | Issue No. | 20 |
| LM End | 2.73 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.589707 ° | 38.589707 ° |
| | | | | -121.709429 ° | -121.709429 ° |
| DWR ID | DWR_ST0012_02_f_2015_20 | | | | |
| Action/Comments | | | | | |
| Note and monitor erosion site. Inspector Comments: Erosion starting to creep onto the toe road. | | | | | |

Photo 1 of 1 : FA_2015_ST0012_296_20_20151019_00021.jpg



View of the erosion at the edge of the channel looking downstream. Fall 2015.

| | | | |
|--|--|--|---|
| * Location LS : Land Side 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 2015

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/15/2015 10/15/2015 | Jai Lor |

| | | | | | |
|--------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.82 | Rating ** | M | Issue No. | 10 |
| LM End | 2.82 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.589691 ° | 38.589691 ° |
| | | | | -121.707740 ° | -121.707740 ° |
| DWR ID | DWR_ST0012_02_f_2014_10 | | | | |
| Action/Comments | | | | | |
| Note and monitor erosion site. | | | | | |

Photo 1 of 1 : FA_2015_ST0012_296_10_20150914_00006.jpg



Erosion on toe road. Fall 2014.

| | | | | | |
|--------------------------------|------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.97 | Rating ** | M | Issue No. | 9 |
| LM End | 2.97 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.589686 ° | 38.589686 ° |
| | | | | -121.705041 ° | -121.705041 ° |
| DWR ID | DWR_ST0012_02_f_2014_9 | | | | |
| Action/Comments | | | | | |
| Note and monitor erosion site. | | | | | |

Photo 1 of 2 : FA_2015_ST0012_296_9_20150914_00005.jpg



Erosion on toe road. Fall 2014.

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 2.97 | Rating ** | M | Issue No. | 9 (cont) |
| LM End | 2.97 | Issue Type + | Ma | Location * | WS |

Photo 2 of 2 : FA_2015_ST0012_296_9_20151019_00022.jpg



View of the erosion 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 2015

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/15/2015 10/15/2015 | Jai Lor |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 4.59 | Rating ** | M | Issue No. | 26 |
| LM End | 4.59 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.589575 ° | 38.589575 ° |
| | | | | -121.674950 ° | -121.674950 ° |
| DWR ID | | | | | |
| Action/Comments | | | | | |
| Inspector Comments: FS_ID:45285 DS_ID:546 EP_NO: 10319 FS_HLM: 4.529 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Material removed from inlet last fall. Outlet cleared FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 15.0 feet below the crown. Flap gate on the waterward end. (A.B.O. No. 10319 - Bell). O&M manual 120, revision Dec 2010. FS Date: 05/14/2015 | | | | | |

Photo 1 of 1 : UCIP_FA_2015_0782.jpg



Waterside view- pipe and flap gate.

| | | | | | |
|--------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.02 | Rating ** | C | Issue No. | 14 |
| LM End | 5.02 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.589572 ° | 38.589572 ° |
| | | | | -121.667144 ° | -121.667144 ° |
| DWR ID | DWR_ST0012_02_s_2015_14 | | | | |
| Action/Comments | | | | | |
| Note and monitor erosion site. | | | | | |

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 2015

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/15/2015 10/15/2015 | Jai Lor |

| | | | | | |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 5.02 | Rating ** | A/W | Issue No. | 13 |
| LM End | 5.02 | Issue Type + | Ob | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Cracking | | | 38.589572 ° | 38.589572 ° |
| | | | | -121.667143 ° | -121.667143 ° |
| DWR ID | DWR_ST0012_02_s_2015_13 | | | | |
| Action/Comments | | | | | |
| Monitor and have inspected by geotechnical engineer. | | | | | |

Photo 1 of 3 : FA_2015_ST0012_296_13_20150914_00008.jpg



View of the perspective of the cracking on the water ward side of the levee looking downstream. Spring 2015.

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 5.02 | Rating ** | A/W | Issue No. | 13 (cont) |
| LM End | 5.02 | Issue Type + | Ob | Location * | WS |

Photo 2 of 3 : FA_2015_ST0012_296_13_20150914_00009.jpg



View of the crack on the water ward side of the levee. Spring 2015.

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 5.02 | Rating ** | A/W | Issue No. | 13 (cont) |
| LM End | 5.02 | Issue Type + | Ob | Location * | WS |

Photo 3 of 3 : FA_2015_ST0012_296_13_20151019_00024.jpg



View of the dessication cracks 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 2015

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/15/2015 10/15/2015 | Jai Lor |

| | | | | | |
|--------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.05 | Rating ** | M | Issue No. | 15 |
| LM End | 5.05 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.589570 ° | 38.589570 ° |
| | | | | -121.666588 ° | -121.666588 ° |
| DWR ID | DWR_ST0012_02_s_2015_15 | | | | |
| Action/Comments | | | | | |
| Note and monitor erosion site. | | | | | |

Photo 1 of 2 : FA_2015_ST0012_296_15_20150914_00011.jpg



View of the erosion on the edge of the channel on the waterward side of the levee. Spring 2015.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 5.05 | Rating ** | M | Issue No. | 15 (cont) |
| LM End | 5.05 | Issue Type + | Ma | Location * | WS |

Photo 2 of 2 : FA_2015_ST0012_296_15_20151019_00025.jpg



View of the erosion at the edge of the channel on the waterward side of the levee looking downstream. Fall 2015.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.72 | Rating ** | M | Issue No. | 22 |
| LM End | 5.72 | Issue Type + | Ob | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Cracking | | | 38.589499 ° | 38.589499 ° |
| | | | | -121.654098 ° | -121.654098 ° |
| DWR ID | DWR_ST0012_02_f_2015_22 | | | | |
| Action/Comments | | | | | |
| Monitor and have inspected by geotechnical engineer. | | | | | |

Photo 1 of 1 : FA_2015_ST0012_296_22_20151019_00026.jpg



View of the dessication cracking 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 2015

Sacramento Maintenance Yard Willow Slough Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---|-------|------------|--------------------------|-----------|
| Unit No. 02 Willow Slough Bypass or South Levee | Right | 7.46 | 10/15/2015 10/15/2015 | Jai Lor |

| | | | | | |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 5.93 | Rating ** | M | Issue No. | 23 |
| LM End | 5.93 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Cracking | | 38.589462 ° | 38.589462 ° | |
| | | | -121.650240 ° | -121.650240 ° | |
| DWR ID | DWR_ST0012_02_f_2015_23 | | | | |
| Action/Comments | | | | | |
| Monitor and have inspected by geotechnical engineer. | | | | | |



View of the crack on the levee crown looking downstream. Fall 2015.

| | | | | | |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 6.15 | Rating ** | C | Issue No. | 16 |
| LM End | 6.15 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Animal Control | | 38.587968 ° | 38.587968 ° | |
| | | | -121.647392 ° | -121.647392 ° | |
| DWR ID | DWR_ST0012_02_s_2015_16 | | | | |
| Action/Comments | | | | | |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: There seems to be a beaver dam blocking the channel. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 6.16 | Rating ** | M | Issue No. | 24 |
| LM End | 6.16 | Issue Type + | Ob | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Cracking | | 38.587826 ° | 38.587826 ° | |
| | | | -121.647364 ° | -121.647364 ° | |
| DWR ID | DWR_ST0012_02_f_2015_24 | | | | |
| Action/Comments | | | | | |
| Monitor and have inspected by geotechnical engineer. | | | | | |



View of the dessication cracking 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 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 |
|---|--|---|