

**Flood Control Project Maintenance
Levee Inspections**

Fall 2012 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

| ST0001 | 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 Cache Creek | M * | 25.52 | | | | | | |
| 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 | | | | | 0.10 | | | |
| Trim / Thin Trees | 0.01 | | 0.01 | 0.04% | | | | |
| Encroachments | 0.09 | | 0.09 | 0.35% | 0.44 | | | |
| Animal Control | 0.02 | | 0.02 | 0.08% | | | | |
| Erosion / Bank Caving | 0.01 | | 0.01 | 0.04% | | | | |
| <i>Supplemental</i> | | | | | | | | |
| USACE Erosion Survey | 0.21 | 0.32 | 1.49 | 5.84% | | | | |
| <i>LMA Totals:</i> | 0.34 | 0.32 | 1.62 | 6.35% * | 0.54 | 0.00 | 0.00 | 0.00 |
| Unit No. 01 North Levee LB | Overall Unit Rating | Total Unit Miles | | | | | | |
| ST0001 | M | 11.81 | | | | | | |
| 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 | | | |
| Encroachments | 0.05 | | 0.05 | 0.42% | 0.41 | | | |
| Animal Control | 0.01 | | 0.01 | 0.09% | | | | |
| <i>Supplemental</i> | | | | | | | | |
| USACE Erosion Survey | 0.12 | 0.32 | 1.40 | 11.85% | | | | |
| <i>Unit Totals:</i> | 0.18 | 0.32 | 1.46 | 12.36% | 0.42 | 0.00 | 0.00 | 0.00 |
| Unit No. 02 South Levee RB | Overall Unit Rating | Total Unit Miles | | | | | | |
| ST0001 | A | 11.43 | | | | | | |
| 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 | | | | | 0.09 | | | |
| Trim / Thin Trees | 0.01 | | 0.01 | 0.09% | | | | |
| Encroachments | 0.04 | | 0.04 | 0.35% | 0.03 | | | |
| Animal Control | 0.01 | | 0.01 | 0.09% | | | | |
| Erosion / Bank Caving | 0.01 | | 0.01 | 0.09% | | | | |
| <i>Supplemental</i> | | | | | | | | |
| USACE Erosion Survey | 0.09 | | 0.09 | 0.79% | | | | |
| <i>Unit Totals:</i> | 0.16 | 0.00 | 0.16 | 1.40% | 0.12 | 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 | 2.28 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| No Items | | | | | | | | |
| <i>Unit Totals:</i> | 0.00 | 0.00 | 0.00 | 0.00% | | | | |

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2012 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) | | | 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.

Comments

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 Levee Inspection Results

Sacramento Maintenance Yard Cache Creek

| Waterway | | | Bank | Unit Miles |
|--|------------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 01 North Levee | | | Left | 11.81 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | M | |
| Date of Inspection | 04/12/2012 - 04/12/2012 | | 11/08/2012 - 11/08/2012 | |
| DWR Inspector | John Williamson | | John Williamson | |
| Accompanied By | Ted Skidgel DWR Sac. Yard | | Ted Skidgel DWR Sac. Yard | |

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector | |
|-------------------------|------------|------|---------------|----------------------------------|----------|------------------|--|---------------------------------|------------------------------|--------------------|--|
| Unit No. 01 North Levee | | | | | | | Left | 11.81 | 11/08/2012 11/08/2012 | John Williamson | |
| LMR No. | Levee Mile | | Category | Item | Location | Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. | |
| | Start | End | | | | | | Start | End | Photo | |
| 1 | | | Earthen Levee | Emergency Supplies & Equipment | LS | A Ma | | ° | ° | 38 | |
| | | | | | | | | DWR ID: DWR_ST0001_01_s_2012_38 | | | |
| 2 | | | Earthen Levee | Flood Preparedness & Training | LS | A Ma | | ° | ° | 41 | |
| | | | | | | | | DWR ID: DWR_ST0001_01_s_2012_41 | | | |
| 3 | | | Earthen Levee | Operations & Maintenance Manuals | LS | A Ma | | ° | ° | 42 | |
| | | | | | | | | DWR ID: DWR_ST0001_01_s_2012_42 | | | |
| 4 | 1.83 | 1.83 | Earthen Levee | Encroachments | LS | M En | MA : Material | 38.729370 ° -121.806630 ° | 38.729370 ° -121.806630 ° | 1 Y | |
| | | | | | | | | DWR ID: DWR_ST0001_01_s_2012_1 | | | |
| 5 | 1.86 | 1.96 | Earthen Levee | Vegetation | LS | A/W En | V6 : Landscaping | 38.729828 ° -121.806532 ° | 38.731143 ° -121.806255 ° | 3 Y | |
| | | | | | | | | DWR ID: DWR_ST0001_01_s_2012_3 | | | |
| 6 | 1.91 | 1.91 | Earthen Levee | Encroachments | LS | A/W En | BU : Building | 38.730528 ° -121.806485 ° | 38.730528 ° -121.806485 ° | 4 Y | |
| | | | | | | | | DWR ID: DWR_ST0001_01_s_2012_4 | | | |
| 7 | 1.96 | 1.99 | Earthen Levee | Vegetation | WSA/W | V6 : Landscaping | Inspector Comments: cactus on waterside berm | 38.731197 ° -121.806232 ° | 38.731655 ° -121.806068 ° | 6 Y | |
| | | | | | | | | DWR ID: DWR_ST0001_01_s_2012_6 | | | |
| 8 | 1.96 | 1.99 | Earthen Levee | Vegetation | LS | A/W En | V6 : Landscaping | 38.731198 ° -121.806230 ° | 38.731650 ° -121.806068 ° | 7 Y | |
| | | | | | | | | DWR ID: DWR_ST0001_01_s_2012_7 | | | |
| 9 | 1.98 | 1.98 | Earthen Levee | Encroachments | LS | A/W En | BU : Building | 38.731507 ° -121.806122 ° | 38.731507 ° -121.806122 ° | 8 Y | |
| | | | | | | | | DWR ID: DWR_ST0001_01_s_2012_8 | | | |
| 10 | 2.01 | 2.01 | Earthen Levee | Encroachments | LS | A/W En | BU : Building | 38.731927 ° -121.805973 ° | 38.731927 ° -121.805973 ° | 9 Y | |
| | | | | | | | | DWR ID: DWR_ST0001_01_s_2012_9 | | | |
| 11 | 2.03 | 2.03 | Earthen Levee | Encroachments | LS | A/W En | BU : Building | 38.732162 ° -121.805895 ° | 38.732162 ° -121.805895 ° | 10 Y | |
| | | | | | | | | DWR ID: DWR_ST0001_01_s_2012_10 | | | |
| 12 | 2.04 | 2.04 | Earthen Levee | Encroachments | LS | A/W En | BU : Building | 38.732268 ° -121.805832 ° | 38.732268 ° -121.805832 ° | 11 Y | |
| | | | | | | | | DWR ID: DWR_ST0001_01_s_2012_11 | | | |
| 13 | 2.06 | 2.06 | Earthen Levee | Encroachments | LS | A/W En | BU : Building | 38.732537 ° -121.805708 ° | 38.732537 ° -121.805708 ° | 13 Y | |
| | | | | | | | | DWR ID: DWR_ST0001_01_s_2012_13 | | | |
| 14 | 2.09 | 2.09 | Earthen Levee | Encroachments | LS | A/W En | BU : Building | 38.733000 ° -121.805409 ° | 38.733000 ° -121.805409 ° | 12 Y | |
| | | | | | | | | DWR ID: DWR_ST0001_01_s_2012_12 | | | |
| 15 | 2.10 | 2.11 | Earthen Levee | Vegetation | LS | M En | V6 : Landscaping | 38.733117 ° -121.805367 ° | 38.733218 ° -121.805263 ° | 14 Y | |
| | | | | | | | | DWR ID: DWR_ST0001_01_s_2012_14 | | | |

*** 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 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|--|--|--|------|------------|--------------------------|--------------------|
| Unit No. 01 North Levee | | | | Left | 11.81 | 11/08/2012 11/08/2012 | John Williamson |

| LMR No. | Levee Mile | | Category | Item | Location | Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. Photo |
|---------------------------------|------------|------|---------------|----------------------|----------|-----------|---|------------------------------|------------------------------|--------------------|
| | Start | End | | | | | | Start | End | |
| 16 | 2.11 | 2.13 | Earthen Levee | Encroachments | LS | M En | FE : Fence | 38.733215 ° -121.805262 ° | 38.733350 ° -121.805082 ° | 15 Y |
| DWR ID: DWR_ST0001_01_s_2012_15 | | | | | | | | | | |
| 17 | 2.15 | 2.15 | Earthen Levee | Encroachments | LS | A/W En | BU : Building | 38.733555 ° -121.804737 ° | 38.733555 ° -121.804737 ° | 16 Y |
| DWR ID: DWR_ST0001_01_s_2012_16 | | | | | | | | | | |
| 18 | 2.42 | 2.51 | Supplemental | USACE Erosion Survey | WS | U Ma | Inspector Comments: 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: No observed change. [2012 Site ID: CHC_2-4_L] | 38.732836 ° -121.797893 ° | 38.732685 ° -121.797154 ° | 18 Y |
| DWR ID: | | | | | | | | | | |
| 19 | 2.65 | 2.70 | Earthen Levee | Encroachments | LS | M Ma | EQ : Equipment | 38.733080 ° -121.796013 ° | 38.733492 ° -121.795293 ° | 19 Y |
| DWR ID: DWR_ST0001_01_s_2012_19 | | | | | | | | | | |
| 20 | 2.66 | 2.66 | Earthen Levee | Encroachments | LS | M En | BU : Building | 38.733132 ° -121.795890 ° | 38.733132 ° -121.795890 ° | 20 Y |
| DWR ID: DWR_ST0001_01_s_2012_20 | | | | | | | | | | |
| 21 | 2.70 | 2.70 | Earthen Levee | Encroachments | LS | C Ma | FW : Firewood | 38.733562 ° -121.795189 ° | 38.733562 ° -121.795189 ° | 21 Y |
| DWR ID: DWR_ST0001_01_s_2012_21 | | | | | | | | | | |
| 22 | 2.79 | 2.83 | Supplemental | USACE Erosion Survey | WS | M Ma | Inspector Comments: 2006 - Large new failure. 2008 - Plans for repair currently in the design phase. 2010 - Planned setback levee by CA DWR, 60% design complete, construction planned for 2012. 2011 - Construction delayed to 2013. 2012: Construction planned for 2013 - 2014. [2012 Site ID: CHC_2-8_L] | 38.734067 ° -121.793713 ° | 38.734171 ° -121.792992 ° | 25 Y |
| DWR ID: | | | | | | | | | | |
| 23 | 2.79 | 2.79 | Earthen Levee | Encroachments | LS | C Ma | FW : Firewood | 38.734129 ° -121.793788 ° | 38.734129 ° -121.793788 ° | 5 Y |
| DWR ID: DWR_ST0001_01_s_2012_5 | | | | | | | | | | |
| 24 | 2.84 | 2.84 | Earthen Levee | Encroachments | LS | M En | PR : Prunings | 38.734236 ° -121.792799 ° | 38.734236 ° -121.792799 ° | 17 Y |
| DWR ID: DWR_ST0001_01_f_2012_17 | | | | | | | | | | |
| 25 | 3.07 | 3.07 | Earthen Levee | Encroachments | LS | M En | DE : Debris | 38.734345 ° -121.788673 ° | 38.734345 ° -121.788673 ° | 26 Y |
| DWR ID: DWR_ST0001_01_s_2012_26 | | | | | | | | | | |
| 26 | 3.22 | 3.22 | Earthen Levee | Encroachments | LS | C Ma | PR : Prunings | 38.735330 ° -121.786281 ° | 38.735330 ° -121.786281 ° | 22 Y |
| DWR ID: DWR_ST0001_01_s_2012_22 | | | | | | | | | | |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

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

Sacramento Maintenance Yard Cache Creek

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 North Levee | Left | 11.81 | 11/08/2012 11/08/2012 | John Williamson |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** + | Action/Comment | GPS Latitude/Longitude | | Issue No. Photo |
|---------------------------------|------------|-------|---------------|----------------|---------------|-------------------|---|------------------------------|------------------------------|--------------------|
| | Start | End | | | | | | Start | End | |
| 36 | 6.31 | 6.31 | Earthen Levee | Encroachments | LS | M En | TA : Tank Inspector Comments: filter tanks, concrete, slab fertilizer tanks and pipe through levee, no permit for pipe | 38.728084 ° -121.746597 ° | 38.728084 ° -121.746597 ° | 31 Y |
| DWR ID: DWR_ST0001_01_s_2012_31 | | | | | | | | | | |
| 37 | 6.94 | 7.24 | Earthen Levee | Encroachments | LS | M En | DT : Ditch | 38.728067 ° -121.735348 ° | 38.727508 ° -121.730153 ° | 37 Y |
| DWR ID: DWR_ST0001_01_s_2012_37 | | | | | | | | | | |
| 38 | 7.33 | 7.38 | Earthen Levee | Encroachments | LS | A/W En | EQ : Equipment | 38.727878 ° -121.728553 ° | 38.728085 ° -121.727740 ° | 40 Y |
| DWR ID: DWR_ST0001_01_s_2012_40 | | | | | | | | | | |
| 39 | 7.33 | 7.33 | Earthen Levee | Encroachments | LS | A/W En | BU : Building | 38.727870 ° -121.728527 ° | 38.727870 ° -121.728527 ° | 39 Y |
| DWR ID: DWR_ST0001_01_s_2012_39 | | | | | | | | | | |
| 40 | 7.39 | 7.90 | Earthen Levee | Encroachments | LS | A En | DT : Ditch | 38.728184 ° -121.727493 ° | 38.727639 ° -121.719212 ° | 2 Y |
| DWR ID: DWR_ST0001_01_f_2012_2 | | | | | | | | | | |
| 41 | 11.12 | 11.12 | Earthen Levee | Animal Control | WS | M Ma | A1 : Exterminate rodents and backfill and compact or grout burrows. | 38.700348 ° -121.686365 ° | 38.700348 ° -121.686365 ° | 23 Y |
| DWR ID: DWR_ST0001_01_f_2012_23 | | | | | | | | | | |

| | | |
|--|---|---|
| * 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 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 North Levee | Left | 11.81 | 11/08/2012 11/08/2012 | John Williamson |

| | |
|--|---------------|
| Levee Mile Report Line | 4 |
| Start Levee Mile | 1.83 |
| End Levee Mile | 1.83 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |
| The owner has a lot of building material stored within the easement. Fall 2011 | |
| johngw_f_20120911_604.jpg | |



| | |
|--|---------------|
| Levee Mile Report Line | 4 |
| Start Levee Mile | 1.83 |
| End Levee Mile | 1.83 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |
| Building materials stacked along landside toe. Fall 2012 | |
| johngw_f_20121108_870.jpg | |



| | |
|---|---------------|
| Levee Mile Report Line | 5 |
| Start Levee Mile | 1.86 |
| End Levee Mile | 1.96 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |
| The landscape vegetation needs to be trimmed for visibility of the levee slope. Fall 2011 | |
| johngw_f_20120911_605.jpg | |



| | | |
|--|---|---|
| * 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 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 North Levee | Left | 11.81 | 11/08/2012 11/08/2012 | John Williamson |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 6 |
| Start Levee Mile | 1.91 |
| End Levee Mile | 1.91 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

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

johngw_f_20120911_606.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 7 |
| Start Levee Mile | 1.96 |
| End Levee Mile | 1.99 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Vegetation |

A cactus garden is planted on the waterside of the levee. There is some planted on the landside also.

johngw_f_20120911_608.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 8 |
| Start Levee Mile | 1.96 |
| End Levee Mile | 1.99 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

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

johngw_f_20120911_609.jpg



*** Location**

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|-------------------------|------|------------|--------------------------|--------------------|
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| | |
|------------------------|---------------|
| Levee Mile Report Line | 9 |
| Start Levee Mile | 1.98 |
| End Levee Mile | 1.98 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Building and catus landside, town of Yolo

johngw_f_20120911_610.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 10 |
| Start Levee Mile | 2.01 |
| End Levee Mile | 2.01 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

A general photo of homes in the town of Yolo.

johngw_f_20120911_611.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 11 |
| Start Levee Mile | 2.03 |
| End Levee Mile | 2.03 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

The house is too close to the levee toe. Fall 2011

johngw_f_20120911_612.jpg



*** Location**

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| Unit No. 01 North Levee | Left | 11.81 | 11/08/2012 11/08/2012 | John Williamson |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 12 |
| Start Levee Mile | 2.04 |
| End Levee Mile | 2.04 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

The building and backyard is at the toe of the levee. Fall 2011

johngw_f_20120911_613.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 13 |
| Start Levee Mile | 2.06 |
| End Levee Mile | 2.06 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

The patio is at the toe of the levee Fall 2011

johngw_f_20120911_615.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 14 |
| Start Levee Mile | 2.09 |
| End Levee Mile | 2.09 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

The building is close to the toe of the levee.

johngw_f_20120911_614.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

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

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Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 North Levee | Left | 11.81 | 11/08/2012 11/08/2012 | John Williamson |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 15 |
| Start Levee Mile | 2.10 |
| End Levee Mile | 2.11 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

The shrubs block visibility of the levee slope. Fall 2011

johngw_f_20120911_616.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 16 |
| Start Levee Mile | 2.11 |
| End Levee Mile | 2.13 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

The fence blocks the visibility of the levee. Fall 2011

johngw_f_20120911_617.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 17 |
| Start Levee Mile | 2.15 |
| End Levee Mile | 2.15 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Horse barn and corral

johngw_f_20120911_618.jpg



*** 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 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 North Levee | Left | 11.81 | 11/08/2012 11/08/2012 | John Williamson |

| | |
|------------------------|----------------------|
| Levee Mile Report Line | 18 |
| Start Levee Mile | 2.42 |
| End Levee Mile | 2.51 |
| Location | Water Side |
| Category | Supplemental |
| Item | USACE Erosion Survey |

USACE 2012 Photo #1

USACE2012_CHC_2-4_L_1.jpg



| | |
|------------------------|----------------------|
| Levee Mile Report Line | 18 |
| Start Levee Mile | 2.42 |
| End Levee Mile | 2.51 |
| Location | Water Side |
| Category | Supplemental |
| Item | USACE Erosion Survey |

USACE 2012 Photo #2

USACE2012_CHC_2-4_L_2.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 19 |
| Start Levee Mile | 2.65 |
| End Levee Mile | 2.70 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

The equipment is stored at the toe of the levee.
Fall 2011

johngw_f_20120911_623.jpg



| | | |
|--|---|---|
| * 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 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 North Levee | Left | 11.81 | 11/08/2012 11/08/2012 | John Williamson |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 20 |
| Start Levee Mile | 2.66 |
| End Levee Mile | 2.66 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

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

johngw_f_20120911_624.jpg



| | |
|------------------------|----------------------|
| Levee Mile Report Line | 22 |
| Start Levee Mile | 2.79 |
| End Levee Mile | 2.83 |
| Location | Water Side |
| Category | Supplemental |
| Item | USACE Erosion Survey |

USACE 2012 Photo #1

USACE2012_CHC_2-8_L_1.jpg



| | |
|------------------------|----------------------|
| Levee Mile Report Line | 22 |
| Start Levee Mile | 2.79 |
| End Levee Mile | 2.83 |
| Location | Water Side |
| Category | Supplemental |
| Item | USACE Erosion Survey |

USACE 2012 Photo #2

USACE2012_CHC_2-8_L_2.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

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Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 North Levee | Left | 11.81 | 11/08/2012 11/08/2012 | John Williamson |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 24 |
| Start Levee Mile | 2.84 |
| End Levee Mile | 2.84 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

A fence made out of pruning debris stacked at the toe of the levee, Fall 2012

johngw_f_20121108_871.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 25 |
| Start Levee Mile | 3.07 |
| End Levee Mile | 3.07 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

A debris pile of plywood and wood scrapes. Fall 2012

johngw_f_20121108_872.jpg



| | |
|------------------------|----------------------|
| Levee Mile Report Line | 27 |
| Start Levee Mile | 3.48 |
| End Levee Mile | 3.56 |
| Location | Water Side |
| Category | Supplemental |
| Item | USACE Erosion Survey |

USACE 2012 Photo #1

USACE2012_CHC_3-4_L_1.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable
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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 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 North Levee | Left | 11.81 | 11/08/2012 11/08/2012 | John Williamson |

| | |
|------------------------|----------------------|
| Levee Mile Report Line | 27 |
| Start Levee Mile | 3.48 |
| End Levee Mile | 3.56 |
| Location | Water Side |
| Category | Supplemental |
| Item | USACE Erosion Survey |

USACE 2012 Photo #2

USACE2012_CHC_3-4_L_2.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 28 |
| Start Levee Mile | 3.61 |
| End Levee Mile | 3.61 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

A very large pruning pile under the power lines at the levee toe. Fall 2012

johngw_f_20121108_873.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 29 |
| Start Levee Mile | 3.86 |
| End Levee Mile | 3.86 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Pruning piles stacked on the toe of the levee. Fall 2012

johngw_f_20121108_874.jpg



| | | |
|--|---|---|
| * 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 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 North Levee | Left | 11.81 | 11/08/2012 11/08/2012 | John Williamson |

| | |
|------------------------|----------------------|
| Levee Mile Report Line | 30 |
| Start Levee Mile | 3.87 |
| End Levee Mile | 3.96 |
| Location | Water Side |
| Category | Supplemental |
| Item | USACE Erosion Survey |

USACE 2012 Photo #1

USACE2012_CHC_3-9_L_1.jpg



| | |
|------------------------|----------------------|
| Levee Mile Report Line | 30 |
| Start Levee Mile | 3.87 |
| End Levee Mile | 3.96 |
| Location | Water Side |
| Category | Supplemental |
| Item | USACE Erosion Survey |

USACE 2012 Photo #2

USACE2012_CHC_3-9_L_2.jpg



| | |
|------------------------|----------------------|
| Levee Mile Report Line | 31 |
| Start Levee Mile | 4.14 |
| End Levee Mile | 4.28 |
| Location | Water Side |
| Category | Supplemental |
| Item | USACE Erosion Survey |

USACE 2012 Photo #1

USACE2012_CHC_4-2_L_1.jpg

*** Location**

LS : Land Side
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 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 North Levee | Left | 11.81 | 11/08/2012 11/08/2012 | John Williamson |

| | |
|------------------------|----------------------|
| Levee Mile Report Line | 31 |
| Start Levee Mile | 4.14 |
| End Levee Mile | 4.28 |
| Location | Water Side |
| Category | Supplemental |
| Item | USACE Erosion Survey |

USACE 2012 Photo #2

USACE2012_CHC_4-2_L_2.jpg



| | |
|------------------------|----------------------|
| Levee Mile Report Line | 31 |
| Start Levee Mile | 4.14 |
| End Levee Mile | 4.28 |
| Location | Water Side |
| Category | Supplemental |
| Item | USACE Erosion Survey |

USACE 2012 Photo #3

USACE2012_CHC_4-2_L_3.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 32 |
| Start Levee Mile | 4.27 |
| End Levee Mile | 4.42 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Landscape trees are planted along the levee to and on the slope. Some of the trees are trimmed up for visibility. Fall 2011

johnsgw_f_20120911_631.jpg



| | | |
|--|---|---|
| * 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 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 North Levee | Left | 11.81 | 11/08/2012 11/08/2012 | John Williamson |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 34 |
| Start Levee Mile | 4.76 |
| End Levee Mile | 4.76 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Aluminum irrigation pipe is placed along the landside levee toe.

johngw_f_20120911_627.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 35 |
| Start Levee Mile | 5.73 |
| End Levee Mile | 5.73 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Encroachments |

A very large pruning pile on the waterside berm.
Fall 2012

johngw_f_20121108_875.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 36 |
| Start Levee Mile | 6.31 |
| End Levee Mile | 6.31 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Pipe through levee filter and fertilizer tanks

johngw_f_20120911_635.jpg



*** Location**

LS : Land Side
WS : Water Side
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**** Rating**

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+ Issue Type

Ma : Maintenance Deficiency
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En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 North Levee | Left | 11.81 | 11/08/2012 11/08/2012 | John Williamson |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 37 |
| Start Levee Mile | 6.94 |
| End Levee Mile | 7.24 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

The farmer cuts an ag-ditch along the landside toe, photo taken spring 2012.

johngw_f_20120911_644.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 38 |
| Start Levee Mile | 7.33 |
| End Levee Mile | 7.38 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Irrigation equipment

johngw_f_20120911_646.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 39 |
| Start Levee Mile | 7.33 |
| End Levee Mile | 7.33 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Barn and livestock pens

johngw_f_20120911_645.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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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 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 North Levee | Left | 11.81 | 11/08/2012 11/08/2012 | John Williamson |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 40 |
| Start Levee Mile | 7.39 |
| End Levee Mile | 7.90 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

An old concrete lined ditch is at the landside toe.
Fall 2012

johngw_f_20121108_868.jpg



| | |
|------------------------|----------------|
| Levee Mile Report Line | 41 |
| Start Levee Mile | 11.12 |
| End Levee Mile | 11.12 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Animal Control |

Rodent hole on the waterside levee slope. Fall
2012

johngw_f_20121108_869.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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M : Minimally Acceptable
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N : Not Inspected/Rated
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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 2012 Levee Inspection Results

Sacramento Maintenance Yard Cache Creek

| Waterway | | | Bank | Unit Miles |
|--|------------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 02 South Levee | | | Right | 11.43 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 04/12/2012 - 04/12/2012 | | 11/07/2012 - 11/07/2012 | |
| DWR Inspector | John Williamson | | John Williamson | |
| Accompanied By | Ted Skidgel DWR Sac. Yard | | Ted Skidgel DWR Sac. Yard | |

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------------|-------|---------------|-----------------------|----------|-----------|--|---------------------------------|------------------------------|--------------------|
| Unit No. 02 South Levee | | | | | | | Right | 11.43 | 11/07/2012 11/07/2012 | John Williamson |
| LMR No. | Levee Mile | | Category | Item | Location | Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
| | Start | End | | | | | | Start | End | Photo |
| 1 | 0.02 | 11.40 | Earthen Levee | Vegetation | WS | A Ma | V1 : Control annual grass and weeds on the levee slopes and easements. | 38.727383 ° -121.806136 ° | 38.678023 ° -121.673517 ° | 6 Y |
| | | | | | | | | DWR ID: DWR_ST0001_02_f_2012_6 | | |
| 2 | 0.02 | 11.40 | Earthen Levee | Vegetation | LS | A Ma | V1 : Control annual grass and weeds on the levee slopes and easements. | 38.727382 ° -121.806134 ° | 38.678023 ° -121.673517 ° | 5 Y |
| | | | | | | | | DWR ID: DWR_ST0001_02_f_2012_5 | | |
| 3 | 0.19 | 0.19 | Earthen Levee | Encroachments | LS | A/W Ma | PR : Prunings Inspector Comments: stumps | 38.729743 ° -121.805194 ° | 38.729743 ° -121.805194 ° | 11 Y |
| | | | | | | | | DWR ID: DWR_ST0001_02_s_2012_11 | | |
| 4 | 0.28 | 0.28 | Earthen Levee | Encroachments | LS | M Ma | DE : Debris | 38.730998 ° -121.804907 ° | 38.730998 ° -121.804907 ° | 16 Y |
| | | | | | | | | DWR ID: DWR_ST0001_02_s_2012_16 | | |
| 5 | 0.68 | 0.68 | Earthen Levee | Encroachments | LS | M En | DE : Debris | 38.732229 ° -121.798922 ° | 38.732229 ° -121.798922 ° | 1 Y |
| | | | | | | | | DWR ID: DWR_ST0001_02_s_2012_1 | | |
| 6 | 1.65 | 1.65 | Earthen Levee | Encroachments | LS | M En | PR : Prunings | 38.730559 ° -121.786043 ° | 38.730559 ° -121.786043 ° | 12 Y |
| | | | | | | | | DWR ID: DWR_ST0001_02_f_2012_12 | | |
| 7 | 1.75 | 1.75 | Earthen Levee | Encroachments | LS | M En | DE : Debris | 38.729333 ° -121.785045 ° | 38.729333 ° -121.785045 ° | 2 Y |
| | | | | | | | | DWR ID: DWR_ST0001_02_s_2012_2 | | |
| 8 | 2.36 | 2.36 | Earthen Levee | Erosion / Bank Caving | WS | M Ma | E1 : Note and monitor erosion site. | 38.726200 ° -121.774900 ° | 38.726200 ° -121.774900 ° | 15 Y |
| | | | | | | | | DWR ID: DWR_ST0001_02_f_2012_15 | | |
| 9 | 2.36 | 2.36 | Earthen Levee | Encroachments | LS | M Ma | DE : Debris | 38.726182 ° -121.774835 ° | 38.726182 ° -121.774835 ° | 3 Y |
| | | | | | | | | DWR ID: DWR_ST0001_02_s_2012_3 | | |
| 10 | 3.48 | 3.57 | Earthen Levee | Vegetation | LS | A/W En | V6 : Landscaping | 38.722228 ° -121.759663 ° | 38.723322 ° -121.759317 ° | 7 Y |
| | | | | | | | | DWR ID: DWR_ST0001_02_s_2012_7 | | |
| 11 | 3.53 | 3.61 | Supplemental | USACE Erosion Survey | WS | M Ma | Inspector Comments: 2010 - Large slump on the upper berm, a tree has recently slid down the slope. 2011 - Large slump and new erosion. 2012: No observed change. [2012 Site ID: CHC_3-5_R] | 38.722138 ° -121.759736 ° | 38.723294 ° -121.759588 ° | 14 Y |
| | | | | | | | | DWR ID: | | |
| 12 | 3.58 | 3.59 | Supplemental | USACE Erosion Survey | WS | M Ma | Inspector Comments: 2009 - Erosion into the levee slope. 2010 - Minor new erosion. 2011 - New erosion and a freshly fallen tree. 2012: No observed change. [2012 Site ID: CHC_5-4_L] | 38.722933 ° -121.760561 ° | 38.723467 ° -121.760436 ° | 20 Y |
| | | | | | | | | DWR ID: | | |
| 13 | 4.00 | 4.04 | Earthen Levee | Encroachments | LS | A/W En | BU : Building | 38.723922 ° -121.752593 ° | 38.724257 ° -121.752193 ° | 8 Y |
| | | | | | | | | DWR ID: DWR_ST0001_02_s_2012_8 | | |
| 14 | 4.04 | 4.13 | Earthen Levee | Vegetation | LS | M En | V6 : Landscaping | 38.724317 ° -121.752148 ° | 38.725242 ° -121.751075 ° | 9 Y |
| | | | | | | | | DWR ID: DWR_ST0001_02_s_2012_9 | | |

*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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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 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector | |
|---------------------------------|------------|------|---------------|-------------------|------------------------------|--|------------------------------|------------------------------|--------------------|-------|
| Unit No. 02 South Levee | | | | | | Right | 11.43 | 11/07/2012 11/07/2012 | John Williamson | |
| LMR No. | Levee Mile | | Category | Item | Location * + Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. | Photo |
| | Start | End | | | | | Start | End | | |
| 15 | 4.12 | 4.12 | Earthen Levee | Trim / Thin Trees | LS M Ma | T4 : Trim trees over roadway to at least 12 feet above ground level. | 38.725125 ° -121.751252 ° | 38.725125 ° -121.751252 ° | 17 Y | |
| DWR ID: DWR_ST0001_02_f_2012_17 | | | | | | | | | | |
| 16 | 4.14 | 4.14 | Earthen Levee | Encroachments | LS M Ma | PR : Prunings | 38.725354 ° -121.750982 ° | 38.725354 ° -121.750982 ° | 4 Y | |
| DWR ID: DWR_ST0001_02_s_2012_4 | | | | | | | | | | |
| 17 | 4.15 | 4.15 | Earthen Levee | Encroachments | LS M Ma | PI : Pipe | 38.725476 ° -121.750809 ° | 38.725476 ° -121.750809 ° | 13 Y | |
| DWR ID: DWR_ST0001_02_s_2012_13 | | | | | | | | | | |
| 18 | 4.42 | 4.42 | Earthen Levee | Vegetation | LS A/W En | V6 : Landscaping | 38.726996 ° -121.746275 ° | 38.726996 ° -121.746275 ° | 10 Y | |
| DWR ID: DWR_ST0001_02_s_2012_10 | | | | | | | | | | |
| 19 | 5.76 | 5.76 | Earthen Levee | Trim / Thin Trees | LS N Ma | T5 : Tree stumps. Inspector Comments: The trees were allowed to be cut down by the CVFPB. The landowner did the cutting and had no instructions to remove the stumps. Total of ten trees. | 38.727570 ° -121.722624 ° | 38.727570 ° -121.722624 ° | 18 Y | |
| DWR ID: DWR_ST0001_02_f_2012_18 | | | | | | | | | | |
| 20 | 5.84 | 5.84 | Earthen Levee | Animal Control | LS M Ma | A1 : Exterminate rodents and backfill and compact or grout burrows. | 38.727236 ° -121.721070 ° | 38.727236 ° -121.721070 ° | 19 Y | |
| DWR ID: DWR_ST0001_02_f_2012_19 | | | | | | | | | | |

*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

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Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 South Levee | Right | 11.43 | 11/07/2012 11/07/2012 | John Williamson |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 0.02 |
| End Levee Mile | 11.40 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Vegetation |

Waterside levee has mostly grasses on the slope.
Fall 2012

johngw_f_20121108_856.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | 0.02 |
| End Levee Mile | 11.40 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Landside levee has mostly grasses on the slope.
Fall 2012

johngw_f_20121108_857.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 3 |
| Start Levee Mile | 0.19 |
| End Levee Mile | 0.19 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

The stumps have not been removed or burned
along the toe of the levee. Fall 2011

johngw_f_20120911_656.jpg



*** 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 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 South Levee | Right | 11.43 | 11/07/2012 11/07/2012 | John Williamson |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 3 |
| Start Levee Mile | 0.19 |
| End Levee Mile | 0.19 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Only two stumps left and the rest of the pruning's are burnt. Fall 2012

johngw_f_20121108_858.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 4 |
| Start Levee Mile | 0.28 |
| End Levee Mile | 0.28 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

A pile of concrete debris is on the landside toe. Fall 2011

johngw_f_20120911_660.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 5 |
| Start Levee Mile | 0.68 |
| End Levee Mile | 0.68 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Tree stakes and pruning debris are piled next to the levee toe. Fall 2012

johngw_f_20121108_859.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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U : Unacceptable
N : Not Inspected/Rated
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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
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En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 South Levee | Right | 11.43 | 11/07/2012 11/07/2012 | John Williamson |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 6 |
| Start Levee Mile | 1.65 |
| End Levee Mile | 1.65 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

A pruning pile stacked against the levee. Fall 2012

johngw_f_20121108_860.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 7 |
| Start Levee Mile | 1.75 |
| End Levee Mile | 1.75 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Pipe debris along the toe of the levee. Fall 2012

johngw_f_20121108_861.jpg



| | |
|------------------------|-----------------------|
| Levee Mile Report Line | 8 |
| Start Levee Mile | 2.36 |
| End Levee Mile | 2.36 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Erosion / Bank Caving |

Some erosion has occurred from the overflow hose leaking. Fall 2012

johngw_f_20121108_862.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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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 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 South Levee | Right | 11.43 | 11/07/2012 11/07/2012 | John Williamson |

| | |
|--|---------------|
| Levee Mile Report Line | 9 |
| Start Levee Mile | 2.36 |
| End Levee Mile | 2.36 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |
| Old concrete pipe debris is stacked up along the toe of the levee. Fall 2011 | |
| johngw_f_20120911_650.jpg | |



| | |
|---|---------------|
| Levee Mile Report Line | 10 |
| Start Levee Mile | 3.48 |
| End Levee Mile | 3.57 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |
| The landscaping and fence are obstructive to viewing the levee toe. Fall 2011 | |
| johngw_f_20120911_652.jpg | |



| | |
|---------------------------|----------------------|
| Levee Mile Report Line | 11 |
| Start Levee Mile | 3.53 |
| End Levee Mile | 3.61 |
| Location | Water Side |
| Category | Supplemental |
| Item | USACE Erosion Survey |
| USACE 2012 Photo #1 | |
| USACE2012_CHC_3-5_R_1.jpg | |



| | | |
|--|---|---|
| * 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 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 South Levee | Right | 11.43 | 11/07/2012 11/07/2012 | John Williamson |

| | |
|------------------------|----------------------|
| Levee Mile Report Line | 11 |
| Start Levee Mile | 3.53 |
| End Levee Mile | 3.61 |
| Location | Water Side |
| Category | Supplemental |
| Item | USACE Erosion Survey |

USACE 2012 Photo #2

USACE2012_CHC_3-5_R_2.jpg



| | |
|------------------------|----------------------|
| Levee Mile Report Line | 11 |
| Start Levee Mile | 3.53 |
| End Levee Mile | 3.61 |
| Location | Water Side |
| Category | Supplemental |
| Item | USACE Erosion Survey |

USACE 2012 Photo #3

USACE2012_CHC_3-5_R_3.jpg



| | |
|------------------------|----------------------|
| Levee Mile Report Line | 12 |
| Start Levee Mile | 3.58 |
| End Levee Mile | 3.59 |
| Location | Water Side |
| Category | Supplemental |
| Item | USACE Erosion Survey |

USACE 2012 Photo #1

USACE2012_CHC_5-4_L_1.jpg



| | | |
|--|---|---|
| * 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 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 South Levee | Right | 11.43 | 11/07/2012 11/07/2012 | John Williamson |

| | |
|------------------------|----------------------|
| Levee Mile Report Line | 12 |
| Start Levee Mile | 3.58 |
| End Levee Mile | 3.59 |
| Location | Water Side |
| Category | Supplemental |
| Item | USACE Erosion Survey |

USACE 2012 Photo #2

USACE2012_CHC_5-4_L_2.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 13 |
| Start Levee Mile | 4.00 |
| End Levee Mile | 4.04 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

The out building is at toe of the levee.

johngw_f_20120911_653.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 14 |
| Start Levee Mile | 4.04 |
| End Levee Mile | 4.13 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

The landscape shrubs block visibility of the toe.
Fall 2011

johngw_f_20120911_654.jpg



| | | |
|--|---|---|
| * 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 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 South Levee | Right | 11.43 | 11/07/2012 11/07/2012 | John Williamson |

| | |
|------------------------|-------------------|
| Levee Mile Report Line | 15 |
| Start Levee Mile | 4.12 |
| End Levee Mile | 4.12 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Trim / Thin Trees |

The oleanders and photina shrubs needs to be trimmed back from the crown. Fall 2012

johngw_f_20121108_863.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 16 |
| Start Levee Mile | 4.14 |
| End Levee Mile | 4.14 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

The pile of pruning debris is stacked on the levee. Fall 2012

johngw_f_20121108_864.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 17 |
| Start Levee Mile | 4.15 |
| End Levee Mile | 4.15 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

The orchard irrigation pipe is stored along the toe of the levee. Fall 2011

johngw_f_20120911_657.jpg



*** Location**

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**** Rating**

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+ Issue Type

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 South Levee | Right | 11.43 | 11/07/2012 11/07/2012 | John Williamson |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 18 |
| Start Levee Mile | 4.42 |
| End Levee Mile | 4.42 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

The landscape shrubs are on the levee slope and at the toe. Fall 2011

johngw_f_20120911_655.jpg



| | |
|------------------------|-------------------|
| Levee Mile Report Line | 19 |
| Start Levee Mile | 5.76 |
| End Levee Mile | 5.76 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Trim / Thin Trees |

Stumps on the levee slope. Fall 2012

johngw_f_20121108_865.jpg



| | |
|------------------------|-------------------|
| Levee Mile Report Line | 19 |
| Start Levee Mile | 5.76 |
| End Levee Mile | 5.76 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Trim / Thin Trees |

A total of ten stumps on the levee slope. Fall 2012

johngw_f_20121108_866.jpg



*** Location**

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**** Rating**

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+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Sacramento Maintenance Yard Cache Creek

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 South Levee | Right | 11.43 | 11/07/2012 11/07/2012 | John Williamson |

| | |
|------------------------|----------------|
| Levee Mile Report Line | 20 |
| Start Levee Mile | 5.84 |
| End Levee Mile | 5.84 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Animal Control |

A rodent hole at the toe. Fall 2012

johngw_f_20121108_867.jpg



*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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+ Issue Type

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En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 Levee Inspection Results

Sacramento Maintenance Yard Cache Creek

| Waterway | | | Bank | Unit Miles |
|---|------------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 04 East Training Levee of Cache Creek Settling Basin | | | Left | 2.28 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 04/12/2012 - 04/12/2012 | | 11/07/2012 - 11/07/2012 | |
| DWR Inspector | John Williamson | | John Williamson | |
| Accompanied By | Ted Skidgel DWR Sac. Yard | | Ted Skidgel DWR Sac. Yard | |

Summer & Winter Inspections

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

DWR must be informed on the:

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

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

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

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

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 | 2.28 | 11/07/2012 11/07/2012 | John Williamson |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|--------------------------------|------------|------|---------------|------------|------------|-----------|--|------------------------------|------------------------------|-----------|
| | Start | End | | | | | | Start | End | |
| 1 | 0.04 | 2.27 | Earthen Levee | Vegetation | LS | A | V1 : Control annual grass and weeds on the levee slopes and easements. | 38.726973 ° -121.717819 ° | 38.695487 ° -121.715929 ° | 1 Y |
| DWR ID: DWR_ST0001_04_f_2012_1 | | | | | | | | | | |
| 2 | 0.04 | 2.27 | Earthen Levee | Vegetation | WS | A | V1 : Control annual grass and weeds on the levee slopes and easements. | 38.726973 ° -121.717819 ° | 38.695487 ° -121.715929 ° | 2 Y |
| DWR ID: DWR_ST0001_04_f_2012_2 | | | | | | | | | | |

*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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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 2012

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 | 2.28 | 11/07/2012 11/07/2012 | John Williamson |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 0.04 |
| End Levee Mile | 2.27 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

The waterside levee complies wit standards. Fall 2012

johngw_f_20121108_855.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | 0.04 |
| End Levee Mile | 2.27 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Vegetation |

The levee complies with standards. Fall 2012

johngw_f_20121108_854.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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