

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2011 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

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| <b>LD0002</b>                                 | Overall LMA Rating | Total LMA Miles |              |              |               |             |
|---|--------------------|-----------------|--------------|--------------|---------------|-------------|
| <b>Levee District No. 0002 (Glenn County)</b> | <b>A</b>           | <b>4.89</b>     |              |              |               |             |
| Rated Item                                    | M Miles            | U Miles         | M + 4U Miles | Threshold %  | Encroachments |             |
|   |                    |                 |              |              | PO Miles      | CO Miles    |
| <i>Earthen Levee</i>                          |                    |                 |              |              |               |             |
| Vegetation                                    | 0.01               |                 | 0.01         | 0.20%        |               |             |
| Encroachments                                 |                    |                 |              |              | 0.01          |             |
| Animal Control                                | 0.16               |                 | 0.16         | 3.27%        |               |             |
| <i>Supplemental</i>                           |                    |                 |              |              |               |             |
| USACE Erosion Survey                          | 0.01               |                 | 0.01         | 0.20%        |               |             |
| <b>LMA Totals:</b>                            | <b>0.18</b>        | <b>0.00</b>     | <b>0.18</b>  | <b>3.68%</b> | <b>0.01</b>   | <b>0.00</b> |

**Flood Control Project Maintenance  
Levee Inspections****LMA District Cover Sheet  
Fall 2011 Levee Inspection Results****Levee District No. 0002 (Glenn County)**

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

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

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

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2011 Levee Inspection Results**

**Levee District No. 0002 (Glenn County)**

| Waterway                                  |                         |                           | Bank                           | Unit Miles                      |
|---|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 01 Glenn County Sacramento River |                         |                           | Right                          | 4.89                            |
|   | Spring<br>(March - May) | Summer<br>(June - August) | (September - November)<br>Fall | Winter<br>(December - February) |
| Unit Maintenance Rating<br>(Fall Only)    |                         |                           | A                              |                                 |
| Date of Inspection                        | 4/7/2011 - 4/7/2011     |                           | 10/4/2011 - 10/4/2011          |                                 |
| DWR Inspector                             | Bob Duffey              |                           | Bob Duffey                     |                                 |
| Accompanied By                            | Dennis Clark            |                           | Dennis Clark                   |                                 |

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

**Comments**

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports  
3310 El Camino Avenue, Suite 200  
Sacramento, CA 95821-9000

**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Levee District No. 0002 (Glenn County)**

| Waterway                                  |  |  |  |  |  | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|---|--|--|--|--|--|-------|------------|--------------------------|------------|
| Unit No. 01 Glenn County Sacramento River |  |  |  |  |  | Right | 4.89       | 10/04/2011<br>10/04/2011 | Bob Duffey |

  

| LMR No. | Levee Mile |      | Category      | Item                 | Location * | Rating ** | Action/Comment  | GPS Latitude/Longitude       |                              | Issue No. |
|---------|------------|------|---------------|----------------------|------------|-----------|---|------------------------------|------------------------------|-----------|
|         | Start      | End  |               |                      |            |           |   | Start                        | End                          | Photo     |
| 1       | 0.02       | 0.02 | Supplemental  | USACE Erosion Survey | WS         | M         | Inspector Comments: 2009 - Very slow retreat, hard toe, encroaching into the levee projection. 2010 - Slowly eroding. 2011: Site extended downstream. [2011 Site ID: SAC_164-7_R] | 39.414649 °<br>-122.009853 ° | 39.417689 °<br>-122.010369 ° | 6<br>Y    |
| 2       | 0.66       | 0.80 | Earthen Levee | Vegetation           | WS         | C         | Remove the wild growth other than native grasses from the levee slopes.   | 39.422844 °<br>-122.011637 ° | 39.424829 °<br>-122.011467 ° | 1         |
| 3       | 1.04       | 1.04 | Earthen Levee | Encroachments        | WS         | PO        | Buildings   | 39.428322 °<br>-122.010973 ° | 39.428322 °<br>-122.010973 ° | 8<br>Y    |
| 4       | 1.09       | 1.09 | Earthen Levee | Animal Control       | WS         | M         | No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.  | 39.454387 °<br>-122.014835 ° | 39.428972 °<br>-122.010887 ° | 4<br>Y    |
| 5       | 1.91       | 1.91 | Earthen Levee | Animal Control       | LS         | M         | No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.  | 39.440531 °<br>-122.011091 ° | 39.440531 °<br>-122.011091 ° | 149<br>Y  |
| 6       | 2.95       | 3.00 | Earthen Levee | Animal Control       | LS         | M         | No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.  | 39.453595 °<br>-122.016273 ° | 39.454003 °<br>-122.015503 ° | 2         |
| 7       | 3.10       | 3.18 | Earthen Levee | Animal Control       | LS         | M         | No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.  | 39.455145 °<br>-122.014287 ° | 39.455813 °<br>-122.013205 ° | 3         |
| 8       | 3.59       | 3.59 | Earthen Levee | Vegetation           | LS         | M         | Remove the wild growth other than native grasses from the levee slopes.   | 39.459103 °<br>-122.010313 ° | 39.459103 °<br>-122.010313 ° | 148<br>Y  |
| 9       | 3.61       | 3.61 | Earthen Levee | Animal Control       | LS         | M         | Repair the levee slope damaged by livestock and prevent large animal access.  | 39.459348 °<br>-122.010500 ° | 39.459348 °<br>-122.010500 ° | 5<br>Y    |

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable      PO : Partially Obstructing      N : Not Inspected, see Inspector Comment      C : Corrected  
M : Minimally Acceptable      CO : Completely Obstructing  
U : Unacceptable      W : Watch/Monitor

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Levee District No. 0002 (Glenn County)**

| Waterway                                  | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|---|-------|------------|--------------------------|------------|
| Unit No. 01 Glenn County Sacramento River | Right | 4.89       | 10/04/2011<br>10/04/2011 | Bob Duffey |

|                        |                      |
|------------------------|----------------------|
| Levee Mile Report Line | 1                    |
| Start Levee Mile       | 0.02                 |
| End Levee Mile         | 0.02                 |
| Location               | Water Side           |
| Category               | Supplemental         |
| Item                   | USACE Erosion Survey |

USACE 2011 Photo #1

USACE2011\_SAC\_164-7\_R\_1.jpg



|                        |                      |
|------------------------|----------------------|
| Levee Mile Report Line | 1                    |
| Start Levee Mile       | 0.02                 |
| End Levee Mile         | 0.02                 |
| Location               | Water Side           |
| Category               | Supplemental         |
| Item                   | USACE Erosion Survey |

USACE 2011 Photo #2

USACE2011\_SAC\_164-7\_R\_2.jpg



|                        |                      |
|------------------------|----------------------|
| Levee Mile Report Line | 1                    |
| Start Levee Mile       | 0.02                 |
| End Levee Mile         | 0.02                 |
| Location               | Water Side           |
| Category               | Supplemental         |
| Item                   | USACE Erosion Survey |

USACE 2011 Photo #3

USACE2011\_SAC\_164-7\_R\_3.jpg



|  |  |  |   |
|--|--|--|---|
| <b>* Location</b><br>LS : Land Side<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | PO : Partially Obstructing<br>CO : Completely Obstructing<br>W : Watch/Monitor | N : Not Inspected, see Inspector Comment<br>C : Corrected |
|--|--|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Levee District No. 0002 (Glenn County)**

| Waterway                                  | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|---|-------|------------|--------------------------|------------|
| Unit No. 01 Glenn County Sacramento River | Right | 4.89       | 10/04/2011<br>10/04/2011 | Bob Duffey |

|                        |                      |
|------------------------|----------------------|
| Levee Mile Report Line | 1                    |
| Start Levee Mile       | 0.02                 |
| End Levee Mile         | 0.02                 |
| Location               | Water Side           |
| Category               | Supplemental         |
| Item                   | USACE Erosion Survey |

USACE 2011 Photo #4

USACE2011\_SAC\_164-7\_R\_4.jpg



|                        |               |
|------------------------|---------------|
| Levee Mile Report Line | 3             |
| Start Levee Mile       | 1.04          |
| End Levee Mile         | 1.04          |
| Location               | Water Side    |
| Category               | Earthen Levee |
| Item                   | Encroachments |

View of house along w/s toe.

rduffey\_f\_20110927\_584.jpg



|                        |                |
|------------------------|----------------|
| Levee Mile Report Line | 4              |
| Start Levee Mile       | 1.09           |
| End Levee Mile         | 1.09           |
| Location               | Water Side     |
| Category               | Earthen Levee  |
| Item                   | Animal Control |

View of the rodent holes.

rduffey\_f\_20111206\_550.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable

PO : Partially Obstructing  
CO : Completely Obstructing  
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected



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Levee Inspections**

**Levee Inspection Report By Mile - Fall 2011**

**Levee District No. 0002 (Glenn County)**

| Waterway                                  | Bank  | Unit Miles | Inspection Start/End     | Inspector  |
|---|-------|------------|--------------------------|------------|
| Unit No. 01 Glenn County Sacramento River | Right | 4.89       | 10/04/2011<br>10/04/2011 | Bob Duffey |

|                        |                |
|------------------------|----------------|
| Levee Mile Report Line | 5              |
| Start Levee Mile       | 1.91           |
| End Levee Mile         | 1.91           |
| Location               | Land Side      |
| Category               | Earthen Levee  |
| Item                   | Animal Control |

View of the rodent holes along the L/S slope.

rduffey\_f\_20111129\_549.jpg



|                        |               |
|------------------------|---------------|
| Levee Mile Report Line | 8             |
| Start Levee Mile       | 3.59          |
| End Levee Mile         | 3.59          |
| Location               | Land Side     |
| Category               | Earthen Levee |
| Item                   | Vegetation    |

View of the vegetation along the L/S toe.

rduffey\_f\_20111206\_551.jpg



|                        |                |
|------------------------|----------------|
| Levee Mile Report Line | 9              |
| Start Levee Mile       | 3.61           |
| End Levee Mile         | 3.61           |
| Location               | Land Side      |
| Category               | Earthen Levee  |
| Item                   | Animal Control |

View of rodents burrows along L/S slope.

rduffey\_f\_20110927\_583.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable

PO : Partially Obstructing  
CO : Completely Obstructing  
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected