

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 1.13 | 09/24/2015 09/24/2015 | Herman Phillips |

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|--|-------------------------------|--------------|------------------------|------------|----------|
| LM Start | | Rating ** | A | Issue No. | 3 |
| LM End | | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Flood Preparedness & Training | | | ° | ° |
| DWR ID | DWR_RD0554_01_f_2014_3 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: The district is prepared to partner with neighboring Districts as in the past. | | | | | |

No Photos

| | | | | | |
|--|----------------------------------|--------------|------------------------|------------|-----------|
| LM Start | | Rating ** | A | Issue No. | 35 |
| LM End | | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Operations & Maintenance Manuals | | | ° | ° |
| DWR ID | DWR_RD0554_01_f_2014_35 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: The district has the O&M Manual on hand. | | | | | |

No Photos

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|--|--------------------------------|--------------|------------------------|------------|-----------|
| LM Start | | Rating ** | A | Issue No. | 36 |
| LM End | | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Emergency Supplies & Equipment | | | ° | ° |
| DWR ID | DWR_RD0554_01_f_2014_36 | | | | |
| Action/Comments | | | | | |
| Inspector Comments: The district shares with neighboring district, RD 551. | | | | | |

No Photos

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|--|--|---|---|
| * 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 |
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| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
| Unit No. 01 Sacramento River | Left | 1.13 | 09/24/2015 09/24/2015 | Herman Phillips |

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|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 0.05 | Rating ** | M | Issue No. | 32 |
| LM End | 0.36 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.249050 ° | 38.244872 ° | |
| | | | -121.509977 ° | -121.511595 ° | |
| DWR ID | DWR_RD0554_01_f_2015_32 | | | | |
| Action/Comments | | | | | |
| Control annual grass and weeds on the levee slopes and easements. Inspector Comments: This section on the waterside has growth covering the fence at levee mile 0.05. The District has scheduled a crew to do some spraying next week 9-29-2015. | | | | | |

Photo 1 of 1 : FA_2015_RD0554_176_32_20150924_00012.jpg



RD 554 levee mile 0.05 waterside slope.

| | | | | | |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 0.10 | Rating ** | U | Issue No. | 11 |
| LM End | 0.10 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Erosion / Bank Caving | | 38.248262 ° | 38.248262 ° | |
| | | | -121.509901 ° | -121.509901 ° | |
| DWR ID | DWR_RD0554_01_s_2014_11 | | | | |
| Action/Comments | | | | | |
| Note and monitor erosion site. Inspector Comments: This is not a new erosion site, repairs are needed. One tree has fallen into the Sac River at the erosion site. This site can be seen better from the river by boat. The wild grapes blocks the view from the waterside shoulder looking down the slope. | | | | | |

Photo 1 of 1 : FA_2015_RD0554_176_11_20150915_00003.jpg



Erosion on waterside toe dead tree fallen at erosion site.

| | | | | | |
|---|----------------------------------|--------------|------------------------|---------------|----------|
| LM Start | 0.26 | Rating ** | M | Issue No. | 1 |
| LM End | 0.36 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | 2015 USACE Erosion Survey, DRAFT | | 38.246222 ° | 38.245017 ° | |
| | | | -121.510878 ° | -121.511740 ° | |
| DWR ID | | | | | |
| Action/Comments | | | | | |
| Inspector Comments: 2009 - Tension cracks on road on top of levee. Erosion into the levee slope and mass failure. 2013 - Short vertical sections at bank toe. 2015: No observed changes. [2015 Site ID: SAC_27-0_L] | | | | | |

Photo 1 of 2 : USACE2013A_SAC_27-0_L_6.jpg



USACE 2013 Photo #1

| | | | |
|--|--|---|---|
| * 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 |
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|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 1.13 | 09/24/2015 09/24/2015 | Herman Phillips |

| | | | | | |
|---|----------------------------------|--------------|----|------------------------|-----------------|
| LM Start | 0.26 | Rating ** | M | Issue No. | 1 (cont) |
| LM End | 0.36 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.246222 ° | 38.245017 ° |
| | | | | -121.510878 ° | -121.511740 ° |
| DWR ID | | | | | |
| Action/Comments | | | | | |
| Inspector Comments: 2009 - Tension cracks on road on top of levee. Erosion into the levee slope and mass failure. 2013 - Short vertical sections at bank toe. 2015: No observed changes. [2015 Site ID: SAC_27-0_L] | | | | | |

Photo 2 of 2 : USACE2013A_SAC_27-0_L_8.jpg



USACE 2013 Photo #2

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.32 | Rating ** | U | Issue No. | 13 |
| LM End | 0.32 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.245389 ° | 38.245389 ° |
| | | | | -121.511085 ° | -121.511085 ° |
| DWR ID | DWR_RD0554_01_s_2014_13 | | | | |
| Action/Comments | | | | | |
| Schedule repair of erosion site prior to the next inspection. Inspector Comments: The District has scheduled repairs this season. | | | | | |

Photo 1 of 1 : FA_2015_RD0554_176_13_20150928_00015.jpg



This erosion along the landside levee slope is not new, it was reported two years ago.

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|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.77 | Rating ** | U | Issue No. | 20 |
| LM End | 0.81 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.240128 ° | 38.239630 ° |
| | | | | -121.515974 ° | -121.516418 ° |
| DWR ID | DWR_RD0554_01_s_2014_20 | | | | |
| Action/Comments | | | | | |
| Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Woody growth of trees has blocked the view of this levee section. | | | | | |

Photo 1 of 1 : FA_2015_RD0554_176_20_20150924_00013.jpg



Woody tree growth on the landside shoulder and slope.

| | | |
|--|---|---|
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| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.82 | Rating ** | M | Issue No. | 33 |
| LM End | 1.11 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.239527 ° | 38.235337 ° |
| | | | | -121.516440 ° | -121.517170 ° |
| DWR ID | DWR_RD0554_01_f_2015_33 | | | | |
| Action/Comments | | | | | |
| Control annual grass and weeds on the levee slopes and easements. Inspector Comments: There is weed growth on the waterside levee slope, the District has scheduled to have the vegetation sprayed. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.88 | Rating ** | M | Issue No. | 10 |
| LM End | 0.93 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.238619 ° | 38.237930 ° |
| | | | | -121.516862 ° | -121.516812 ° |
| DWR ID | DWR_RD0554_01_s_2014_10 | | | | |
| Action/Comments | | | | | |
| Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: There are young trees along the landside levee slope that need to be removed and some need to be trimmed that are blocking visibility or access to the levee section. | | | | | |

No Photos

| | | | |
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