

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2020

Reclamation District No. 0554 Walnut Grove

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 1.13 | 10/19/2020 10/19/2020 | David Julian |

| | | | | | |
|--|-------------------------------|--------------|----|------------------------|-----|
| LM Start | | Rating ** | A | Issue No. | 3 |
| LM End | | Issue Type + | Ma | Location * | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Flood Preparedness & Training | | | ° | ° |
| | | | | ° | ° |
| DWR ID | DWR_RD0554_01_f_2014_3 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 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 * | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Operations & Maintenance Manuals | | | ° | ° |
| | | | | ° | ° |
| DWR ID | DWR_RD0554_01_f_2014_35 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| The district has the O&M Manual on hand. | | | | | |

No Photos

| | | | | | |
|--|--------------------------------|--------------|----|------------------------|-----|
| LM Start | | Rating ** | A | Issue No. | 36 |
| LM End | | Issue Type + | Ma | Location * | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Emergency Supplies & Equipment | | | ° | ° |
| | | | | ° | ° |
| DWR ID | DWR_RD0554_01_f_2019_36 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| The district shares with neighboring district, RD 551. | | | | | |

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

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|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 01 Sacramento River | Left | 1.13 | 10/19/2020 10/19/2020 | David Julian |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.10 | Rating ** | M | 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 | | | | |
| Comment Code | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | |
| Inspector Comment | | | | | |
| 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 block the view from the waterside shoulder looking down the slope. Rated as M because it is an oversized levee section. | | | | | |

Photo 1 of 1 : FA_2020_RD0554_176_11_20201009_00001.jpg



View looking upstream at erosion site on the waterside (Fall 2019).

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.15 | Rating ** | U | Issue No. | 31 |
| LM End | 0.15 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.247615 ° | 38.247615 ° |
| | | | | -121.509900 ° | -121.509900 ° |
| DWR ID | DWR_RD0554_01_f_2016_31 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_RD0554_176_31_20201019_00104.jpg



View of vegetation on the waterside slope (Fall 2020).

| | | | | | | |
|--|-------------------------|--------------|----|------------------------|----|---------------|
| LM Start | 0.24 | Rating ** | M | Issue No. | 28 | |
| LM End | 0.35 | Issue Type + | Ma | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Vegetation | | | 38.246473 ° | | 38.244993 ° |
| | | | | -121.510509 ° | | -121.511538 ° |
| DWR ID | DWR_RD0554_01_f_2017_28 | | | | | |
| Comment Code | | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | | |
| Inspector Comment | | | | | | |
| | | | | | | |

No Photos

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

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

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

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Reclamation District No. 0554 Walnut Grove

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 01 Sacramento River | Left | 1.13 | 10/19/2020 10/19/2020 | David Julian |

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.26 | Rating ** | M | Issue No. | 24 |
| LM End | 0.36 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2017 USACE Erosion Survey | | | 38.246222 ° | 38.245017 ° |
| | | | | -121.510878 ° | -121.511740 ° |
| DWR ID | DWR_RD0554_01_f_2018_24 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2017 Site ID: SAC 27.0 L | | | | | |
| Status: Eroding | | | | | |
| 2017 Field Notes: Minor new erosion at toe. | | | | | |
| Site History: 2009 - Tension cracks on road on top of levee. Erosion into the levee slope and mass failure. 2013 - Short vertical sections at bank toe. | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.26 | Rating ** | M | Issue No. | 24 (cont) |
| LM End | 0.36 | Issue Type + | Ma | Location * | WS |

Photo 1 of 2 : FA_2020_RD0554_176_24_20201009_00003.jpg



USACE 2013 Photo #1

Photo 2 of 2 : FA_2020_RD0554_176_24_20201009_00004.jpg



USACE 2013 Photo #2

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.31 | Rating ** | M | Issue No. | 51 |
| LM End | 0.35 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.245515 ° | 38.244950 ° |
| | | | | -121.511083 ° | -121.511493 ° |
| DWR ID | DWR_RD0554_01_f_2019_51 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_RD0554_176_51_20201009_00019.jpg



View looking downstream at vegetation on the landside slope (Spring 2020).

| | | | |
|--|--|---|---|
| * 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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|------------------------------|------|------------|--------------------------|--------------|
| Unit No. 01 Sacramento River | Left | 1.13 | 10/19/2020 10/19/2020 | David Julian |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| 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 | | | | |
| Comment Code | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | |
| Inspector Comment | | | | | |
| This erosion isn't repaired to date. Large bush growing in eroded gully. Needs repairing. | | | | | |

Photo 1 of 1 : FA_2020_RD0554_176_13_20201009_00002.jpg



View of eroded gully on the landside slope.

| | | | | | |
|---------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.35 | Rating ** | C | Issue No. | 45 |
| LM End | 0.35 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.245070 ° | 38.245070 ° |
| | | | | -121.511437 ° | -121.511437 ° |
| DWR ID | DWR_RD0554_01_f_2019_45 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove fallen tree. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.45 | Rating ** | C | Issue No. | 32 |
| LM End | 0.49 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.243818 ° | 38.243389 ° |
| | | | | -121.512459 ° | -121.512919 ° |
| DWR ID | DWR_RD0554_01_s_2020_32 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

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 |
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| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.59 | Rating ** | M | Issue No. | 46 |
| LM End | 0.59 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.242125 ° | 38.242125 ° |
| | | | | -121.514080 ° | -121.514080 ° |
| DWR ID | DWR_RD0554_01_f_2019_46 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
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No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.64 | Rating ** | M | Issue No. | 63 |
| LM End | 0.64 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.241533 ° | 38.241533 ° |
| | | | | -121.514488 ° | -121.514488 ° |
| DWR ID | DWR_RD0554_01_f_2020_63 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.81 | Rating ** | U | Issue No. | 49 |
| LM End | 0.81 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.239587 ° | 38.239587 ° |
| | | | | -121.516353 ° | -121.516353 ° |
| DWR ID | DWR_RD0554_01_f_2019_49 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_RD0554_176_49_20201009_00017.jpg



View looking upstream at thick trees on the landside slope (Fall 2019).

*** Location**
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CR : Crown

**** Rating**
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| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.07 | Rating ** | U | Issue No. | 60 |
| LM End | 1.12 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.236027 ° | 38.235262 ° |
| | | | | -121.516953 ° | -121.517332 ° |
| DWR ID | DWR_RD0554_01_f_2020_60 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_RD0554_176_60_20201019_00106.jpg



View of thick vegetation on the waterside slope (Fall 2020).

*** 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
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