

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Ash Slough | Right | 2.37 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | | | | |
|---|----------------------------------|--------------|----|------------------------|-----------|
| LM Start | | Rating ** | A | Issue No. | 41 |
| LM End | | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Operations & Maintenance Manuals | | | ° | ° |
| | | | | ° | ° |
| DWR ID | DWR_NA0011_01_s _ 2012_41 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Madera County has a copy of the O&M Manual on hand. | | | | | |

No Photos

| | | | | | |
|---------------------------------------|--------------------------------|--------------|----|------------------------|-----------|
| LM Start | | Rating ** | A | Issue No. | 43 |
| LM End | | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Emergency Supplies & Equipment | | | ° | ° |
| | | | | ° | ° |
| DWR ID | DWR_NA0011_01_s _ 2012_43 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Madera County has emergency supplies. | | | | | |

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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| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Ash Slough | Right | 2.37 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | | | | |
|--|-------------------------------|--------------|------------------------|------------|-----------|
| LM Start | | Rating ** | A | Issue No. | 44 |
| LM End | | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Flood Preparedness & Training | | | ° | ° |
| | | | | ° | ° |
| DWR ID | DWR_NA0011_01_s_2012_44 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Madera County Flood Control has an ongoing training program. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 0.03 | Rating ** | M | Issue No. | 13 |
| LM End | 0.28 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 37.046572 ° | 37.047760 ° | |
| | | | -120.427470 ° | -120.423238 ° | |
| DWR ID | DWR_NA0011_01_f_2016_13 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Control the wild annual grasses and weeds on the waterside slope, looking upstream from levee miles 0.03- 0.28. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_142_13_20161011_00027.jpg



Unit 1 looking upstream from levee miles 0.03-0.28.wateside slope.

| | | | | | |
|--|------------------------|--------------|------------------------|---------------|----------|
| LM Start | 0.03 | Rating ** | A | Issue No. | 5 |
| LM End | 0.61 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 37.046572 ° | 37.051077 ° | |
| | | | -120.427470 ° | -120.419003 ° | |
| DWR ID | DWR_NA0011_01_f_2016_5 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| 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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Ash Slough | Right | 2.37 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.04 | Rating ** | U | Issue No. | 20 |
| LM End | 0.05 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 37.046624 ° | 37.046682 ° |
| | | | | -120.427317 ° | -120.427108 ° |
| DWR ID | DWR_NA0011_01_s _ 2014_20 | | | | |
| Comment Code | | | | | |
| S1 : Repair slope instability. | | | | | |
| Inspector Comment | | | | | |
| This is not a new erosion site, it should be repaired before the condition get any worse. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_142_20_20160908_00004.jpg



There is damage to the landside slope near the concrete wing wall.

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.04 | Rating ** | M | Issue No. | 36 |
| LM End | 0.04 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.046589 ° | 37.046589 ° |
| | | | | -120.427298 ° | -120.427298 ° |
| DWR ID | DWR_NA0011_01_s _ 2012_36 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove the tree limbs from the waterside slope. | | | | | |

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Ash Slough | Right | 2.37 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.05 | Rating ** | A/W | Issue No. | 12 |
| LM End | 0.05 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.046677 ° | 37.046677 ° |
| | | | | -120.427077 ° | -120.427077 ° |
| DWR ID | DWR_NA0011_01_s_2016_12 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| The pruning noted in the past has been moved. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.11 | Rating ** | M | Issue No. | 17 |
| LM End | 2.36 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.046890 ° | 37.068730 ° |
| | | | | -120.426137 ° | -120.398670 ° |
| DWR ID | DWR_NA0011_01_f_2016_17 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| There were several rodent holes observed in Unit 1 although no rodents were seen during the inspection. | | | | | |

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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| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Ash Slough | Right | 2.37 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.28 | Rating ** | U | Issue No. | 23 |
| LM End | 1.35 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.047760° | 37.058330° |
| | | | | -120.423238° | -120.410505° |
| DWR ID | DWR_NA0011_01_f_2016_23 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove the dead tall weeds from the water side slope working upstream. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_142_23_20161010_00024.jpg



Unit 1 Waterside looking upstream from levee mile 0.28 to levee mile 1.35.

| | | | | | |
|------------------------------------|------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.28 | Rating ** | M | Issue No. | 6 |
| LM End | 0.30 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.047812° | 37.047963° |
| | | | | -120.423155° | -120.422898° |
| DWR ID | DWR_NA0011_01_s_2012_6 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Noted on the last two inspections. | | | | | |

No Photos

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

** Rating
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U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Ash Slough | Right | 2.37 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | | | | |
|------------------------------------|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.33 | Rating ** | M | Issue No. | 8 |
| LM End | 0.35 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.048223 ° | 37.048467 ° |
| | | | | -120.422642 ° | -120.422315 ° |
| DWR ID | DWR_NA0011_01_s_2012_8 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Noted on the last two inspections. | | | | | |

No Photos

| | | | | | |
|--------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.44 | Rating ** | M | Issue No. | 11 |
| LM End | 0.44 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.049455 ° | 37.049455 ° |
| | | | | -120.421218 ° | -120.421218 ° |
| DWR ID | DWR_NA0011_01_s_2012_11 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove the dead tree from the slope. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.45 | Rating ** | M | Issue No. | 39 |
| LM End | 0.56 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.049484 ° | 37.050574 ° |
| | | | | -120.421017 ° | -120.419601 ° |
| DWR ID | DWR_NA0011_01_s_2012_39 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove the dead trees from the levee section. | | | | | |

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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| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Ash Slough | Right | 2.37 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.53 | Rating ** | M | Issue No. | 10 |
| LM End | 0.53 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.050335 ° | 37.050335 ° |
| | | | | -120.419965 ° | -120.419965 ° |
| DWR ID | DWR_NA0011_01_s _ 2012_10 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove the tree limbs from the water side slope. | | | | | |

No Photos

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.58 | Rating ** | C | Issue No. | 19 |
| LM End | 0.60 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.050825 ° | 37.051057 ° |
| | | | | -120.419305 ° | -120.419030 ° |
| DWR ID | DWR_NA0011_01_s _ 2016_19 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| Remove the tree prunings from the levee section. | | | | | |

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 Ash Slough | Right | 2.37 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.59 | Rating ** | M | Issue No. | 21 |
| LM End | 2.35 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.050968 ° | 37.068513 ° |
| | | | | -120.419167 ° | -120.398665 ° |
| DWR ID | DWR_NA0011_01_s_2016_21 | | | | |
| Comment Code | | | | | |
| V9 : Keep the crown roadway free of vegetation. | | | | | |
| Inspector Comment | | | | | |
| Keep the crown free of vegetation. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.61 | Rating ** | U | Issue No. | 24 |
| LM End | 0.77 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.051077 ° | 37.053122 ° |
| | | | | -120.419003 ° | -120.417500 ° |
| DWR ID | DWR_NA0011_01_f_2016_24 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove the tall weeds from the landside slope | | | | | |

Photo 1 of 1 : FA_2016_NA0011_142_24_20161010_00025.jpg



Unit 1 landside levee mile 0.61-0.77 looking upstream of slope.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.62 | Rating ** | M | Issue No. | 37 |
| LM End | 0.62 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.051222 ° | 37.051222 ° |
| | | | | -120.418810 ° | -120.418810 ° |
| DWR ID | DWR_NA0011_01_f_2015_37 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove the tree branches from the waterside slope. | | | | | |

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 Ash Slough | Right | 2.37 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.86 | Rating ** | M | Issue No. | 26 |
| LM End | 0.87 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.054333 ° | 37.054460 ° |
| | | | | -120.417057 ° | -120.417043 ° |
| DWR ID | DWR_NA0011_01_f_2016_26 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Thin the trees to allow visibility of the levee slope. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.41 | Rating ** | A | Issue No. | 27 |
| LM End | 2.09 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.058817 ° | 37.065538 ° |
| | | | | -120.409630 ° | -120.400862 ° |
| DWR ID | DWR_NA0011_01_f_2016_27 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| 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
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+ Issue Type
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|------------------------|-------|------------|--------------------------|-----------------|
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| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.45 | Rating ** | M | Issue No. | 7 |
| LM End | 2.34 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 37.059113 ° | 37.068344 ° |
| | | | | -120.408880 ° | -120.398780 ° |
| DWR ID | DWR_NA0011_01_s_2013_7 | | | | |
| Comment Code | | | | | |
| S1 : Repair slope instability. | | | | | |
| Inspector Comment | | | | | |
| Farmer has plowed into the toe of the levee. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 2.09 | Rating ** | U | Issue No. | 29 |
| LM End | 2.22 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.065538° | 37.066700° |
| | | | | -120.400862° | -120.398900° |
| DWR ID | DWR_NA0011_01_f_2016_29 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove the tall dead weeds from the levee slope waterside. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_142_29_20161010_00026.jpg



Unit 1 Ash Slough looking upstream levee mile 2.09-2.22.

* 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

Madera County FCWCA

Looking upstream from levee mile 0.00-0.05.

Unit 2 waterside levee slope looking upstream from levee mile 0.00-0.15.

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Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Ash Slough | Left | 2.04 | 10/05/2016 10/05/2016 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | U | Issue No. | 14 |
| LM End | 0.22 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.045475 ° | 37.046568 ° |
| | | | | -120.427427 ° | -120.423590 ° |
| DWR ID | DWR_NA0011_02_f_2016_14 | | | | |
| Comment Code | | | | | |
| V9 : Keep the crown roadway free of vegetation. | | | | | |
| Inspector Comment | | | | | |
| The crown roadway is to be clear of all vegetation. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_143_14_20161011_00031.jpg



Unit 2 looking upstream at crown roadway.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | U | Issue No. | 39 |
| LM End | 1.67 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.045485 ° | 37.060091 ° |
| | | | | -120.427423 ° | -120.405340 ° |
| DWR ID | DWR_NA0011_02_f_2015_39 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| The levee section waterside is covered with rodents and rodent holes. There is no bait stations on this levee section and the weeds here are too tall to see the active rodents. No new photo was taken. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_143_39_20161004_00007.jpg



Ash Slough looking upstream from levee mile 0.00-1.67 waterside slope.

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.16 | Rating ** | M | Issue No. | 8 |
| LM End | 0.22 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.046193 ° | 37.046555 ° |
| | | | | -120.424622 ° | -120.423602 ° |
| DWR ID | DWR_NA0011_02_f_2016_8 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Trim the trees on the landside levee slope levee miles 0.16- 0.22. | | | | | |

No Photos

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Ash Slough | Left | 2.04 | 10/05/2016 10/05/2016 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.21 | Rating ** | M | Issue No. | 46 |
| LM End | 0.21 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.046533 ° | 37.046533 ° |
| | | | | -120.423762 ° | -120.423762 ° |
| DWR ID | DWR_NA0011_02_f_2015_46 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.22 | Rating ** | U | Issue No. | 18 |
| LM End | 1.38 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.046568 ° | 37.057948 ° |
| | | | | -120.423588 ° | -120.409760 ° |
| DWR ID | DWR_NA0011_02_f_2016_18 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove the unwanted wild dead weed growth from the waterside levee slope. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_143_18_20161011_00033.jpg



Unit 2 Ash Slough looking upstream waterside slope and shoulder levee miles 0.22-1.38.

*** Location**

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

**** Rating**

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

+ Issue Type

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Ash Slough | Left | 2.04 | 10/05/2016 10/05/2016 | Herman Phillips |

| | | | | | | |
|--|-------------------------|--------------|----|------------------------|----|---------------|
| LM Start | 0.32 | Rating ** | M | Issue No. | 28 | |
| LM End | 0.32 | Issue Type + | Ma | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Encroachments | | | 37.047416 ° | | 37.047416 ° |
| | | | | -120.422142 ° | | -120.422142 ° |
| DWR ID | DWR_NA0011_02_f_2012_28 | | | | | |
| Comment Code | | | | | | |
| TR : Tree or limb | | | | | | |
| Inspector Comment | | | | | | |
| Remove the dead tree limbs from the waterside slope. | | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.52 | Rating ** | M | Issue No. | 35 |
| LM End | 0.52 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.049289 ° | 37.049289 ° |
| | | | | -120.419542 ° | -120.419542 ° |
| DWR ID | DWR_NA0011_02_s_2013_35 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Trim tree off the slope. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Ash Slough | Left | 2.04 | 10/05/2016 10/05/2016 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.97 | Rating ** | M | Issue No. | 44 |
| LM End | 1.38 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.054830 ° | 37.057948 ° |
| | | | | -120.415600 ° | -120.409763 ° |
| DWR ID | DWR_NA0011_02_f_2014_44 | | | | |
| Comment Code | | | | | |
| V9 : Keep the crown roadway free of vegetation. | | | | | |
| Inspector Comment | | | | | |
| Keep crown roadway free of vegetation. | | | | | |

No Photos

| | | | | | |
|---|--------------------|--------------|----|------------------------|---------------|
| LM Start | 1.10 | Rating ** | U | Issue No. | 1 |
| LM End | 1.19 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.055596 ° | 37.055596 ° |
| | | | | -120.412647 ° | -120.412647 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 07/22/2016: No significant change observed. | | | | | |
| 09/08/2015: No significant change observed. | | | | | |
| 07/22/2014: No significant change observed. | | | | | |
| 08/30/2013: No significant change observed. | | | | | |
| 07/31/2012: Site was visited on 07/24/2012. No significant change observed. Dense vegetation around the site | | | | | |
| 08/09/2011: Site was inspected. No visible change was observed from the previous condition. A fallen tree was seen at the levee toe about 20 feet upstream, and tree root exposed. There has been no report from the district that this site was corrected. | | | | | |
| 11/30/2010: Site was not inspected due to time constraints. There have been no reports from the district that the site was corrected. Continue to monitor site during flood events. | | | | | |
| 08/05/2010: Recommended for annual assessment and monitoring during flood events, per CLRO. | | | | | |
| 2009: Site is recommended as a local maintenance issue, per Critical Levee Repair Office, Critical Erosion Sites Evaluation 2008 Report; site was previously rated "M" | | | | | |
| 9/6/2007: Undercutting of the toe; several trees along the WS slope with roots exposed. [2016 Site ID:NA0011U02RM2.57] | | | | | |

Photo 1 of 3 : SJR2016_NA0011U02RM2.57_1.jpg



View of the erosion site from the levee crest.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Ash Slough | Left | 2.04 | 10/05/2016 10/05/2016 | Herman Phillips |

| | | | | | |
|----------|--------------------|--------------|----|------------------------|---------------|
| LM Start | 1.10 | Rating ** | U | Issue No. | 1 (cont) |
| LM End | 1.19 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.055596 ° | 37.055596 ° |
| | | | | -120.412647 ° | -120.412647 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

07/22/2016: No significant change observed.
 09/08/2015: No significant change observed.
 07/22/2014: No significant change observed.
 08/30/2013: No significant change observed.
 07/31/2012: Site was visited on 07/24/2012. No significant change observed. Dense vegetation around the site
 08/09/2011: Site was inspected. No visible change was observed from the previous condition. A fallen tree was seen at the levee toe about 20 feet upstream, and tree root exposed. There has been no report from the district that this site was corrected.
 11/30/2010: Site was not inspected due to time constraints. There have been no reports from the district that the site was corrected. Continue to monitor site during flood events.
 08/05/2010: Recommended for annual assessment and monitoring during flood events, per CLRO.
 2009: Site is recommended as a local maintenance issue, per Critical Levee Repair Office, Critical Erosion Sites Evaluation 2008 Report; site was previously rated "M"
 9/6/2007: Undercutting of the toe; several trees along the WS slope with roots exposed. [2016 Site ID:NA0011U02RM2.57]

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 1.10 | Rating ** | U | Issue No. | 1 (cont) |
| LM End | 1.19 | Issue Type + | Ma | Location * | WS |

Photo 2 of 3 : SJR2016_NA0011U02RM2.57_2.jpg



Close view of the site.

Photo 3 of 3 : SJR2016_NA0011U02RM2.57_4.jpg



Close view of the site.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Ash Slough | Left | 2.04 | 10/05/2016 10/05/2016 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.23 | Rating ** | U | Issue No. | 29 |
| LM End | 1.23 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.056137 ° | 37.056137 ° |
| | | | | -120.411170 ° | -120.411170 ° |
| DWR ID | DWR_NA0011_02_f_2016_29 | | | | |
| Comment Code | | | | | |
| T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Tree on the wateside slope blocks the view of the ground. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_143_29_20161011_00035.jpg



Unit 2 Ash Slough wateside levee mile 1.23.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.28 | Rating ** | M | Issue No. | 41 |
| LM End | 1.36 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.056763 ° | 37.057704 ° |
| | | | | -120.410623 ° | -120.410037 ° |
| DWR ID | DWR_NA0011_02_s_2014_41 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove the dead tree limbs from the water side slope. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.38 | Rating ** | M | Issue No. | 16 |
| LM End | 2.02 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.057896 ° | 37.063896 ° |
| | | | | -120.409687 ° | -120.401232 ° |
| DWR ID | DWR_NA0011_02_s_2012_16 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove the vegetation from crown roadway. | | | | | |

No Photos

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Ash Slough | Left | 2.04 | 10/05/2016 10/05/2016 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.39 | Rating ** | M | Issue No. | 42 |
| LM End | 1.39 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.057989 ° | 37.057989 ° |
| | | | | -120.409581 ° | -120.409581 ° |
| DWR ID | DWR_NA0011_02_s_2014_42 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove the tree limbs from the water side levee slope. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.46 | Rating ** | M | Issue No. | 43 |
| LM End | 1.49 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.058335° | 37.058520° |
| | | | | -120.408434° | -120.407791° |
| DWR ID | DWR_NA0011_02_s_2014_43 | | | | |
| Comment Code | | | | | |
| T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Remove the dead tree and tree limbs from the levee section. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_143_43_20161004_00008.jpg



Unit 2 levee mile 1.46-1.49 looking upstream from the levee slope waterside fallen dead tree on the levee section.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Ash Slough | Left | 2.04 | 10/05/2016 10/05/2016 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.51 | Rating ** | M | Issue No. | 25 |
| LM End | 1.52 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.058652° | 37.058802° |
| | | | | -120.407638° | -120.407350° |
| DWR ID | DWR_NA0011_02_s_2012_25 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Trim the trees on the waterside slope levee miles 1.51-1.52. | | | | | |

No Photos

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.64 | Rating ** | U | Issue No. | 6 |
| LM End | 2.02 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.059777 ° | 37.063896 ° |
| | | | | -120.405663 ° | -120.401230 ° |
| DWR ID | DWR_NA0011_02_f_2016_6 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove the dead weed growth from the landside levee slope. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_143_6_20161011_00034.jpg



Unit 2 looking upstream from levee mile 1.64 Crown roadway.

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Berenda Slough | Right | 1.51 | 10/04/2016 10/04/2016 | Herman Phillips |

| | | | | | |
|---|------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.00 | Rating ** | U | Issue No. | 1 |
| LM End | 1.04 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.996562° | 36.996592° |
| | | | | -120.373748° | -120.355160° |
| DWR ID | DWR_NA0011_03_s_2013_1 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove the unwanted tumble weeds and other weeds from the wateside levee slope. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_144_1_20161011_00015.jpg



Berenda Slough Unit 3 levee mile 0.00 looking upstream from the wateside slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.03 | Rating ** | M | Issue No. | 35 |
| LM End | 0.03 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 36.996618 ° | 36.996618 ° |
| | | | | -120.373116 ° | -120.373116 ° |
| DWR ID | DWR_NA0011_03_f_2012_35 | | | | |
| Comment Code | | | | | |
| T4 : Trim trees over roadway to at least 12 feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Tree drags against vehicles as they pass by. Remove overhanging tree limbs. | | | | | |

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Berenda Slough | Right | 1.51 | 10/04/2016 10/04/2016 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.04 | Rating ** | M | Issue No. | 45 |
| LM End | 0.04 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 36.996522° | 36.996522° |
| | | | | -120.372980° | -120.372980° |
| DWR ID | DWR_NA0011_03_s_2012_45 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove the discarded tree branches from the landside slope. | | | | | |

No Photos

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.05 | Rating ** | U | Issue No. | 5 |
| LM End | 1.51 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.996453 ° | 36.996607 ° |
| | | | | -120.372898 ° | -120.346568 ° |
| DWR ID | DWR_NA0011_03_f_2016_5 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove the tall dead weed growth from the landside of the levee slope and shoulder. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_144_5_20161011_00021.jpg



Berenda Slough Unit 3 looking upstream from landside levee miles 0.05-1.51.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Berenda Slough | Right | 1.51 | 10/04/2016 10/04/2016 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 0.05 | Rating ** | M | Issue No. | 28 |
| LM End | 0.05 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Encroachments | | 36.996442° | 36.996442° | |
| | | | -120.372848° | -120.372848° | |
| DWR ID | DWR_NA0011_03_f_2014_28 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove the dead tree from the landside slope. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 0.06 | Rating ** | M | Issue No. | 18 |
| LM End | 0.06 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Trim / Thin Trees | | 36.996378° | 36.996378° | |
| | | | -120.372738° | -120.372738° | |
| DWR ID | DWR_NA0011_03_f_2014_18 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Trim the tree listed, five feet above the ground on the landside slope. | | | | | |

No Photos

| | | | | | |
|---|---------------------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 0.08 | Rating ** | M | Issue No. | 32 |
| LM End | 0.09 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Crown Surface / Depressions / Rutting | | 36.996264° | 36.996273° | |
| | | | -120.372350° | -120.357666° | |
| DWR ID | DWR_NA0011_03_s_2014_32 | | | | |
| Comment Code | | | | | |
| C3 : Add appropriate gravel or road base. Grade and compact. | | | | | |
| Inspector Comment | | | | | |
| Regrade the crown for proper drainage and add more rock to crown. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Berenda Slough | Right | 1.51 | 10/04/2016 10/04/2016 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.08 | Rating ** | M | Issue No. | 20 |
| LM End | 0.08 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 36.996204 ° | 36.996201 ° |
| | | | | -120.372352 ° | -120.372345 ° |
| DWR ID | DWR_NA0011_03_s_2012_20 | | | | |
| Comment Code | | | | | |
| DE : Debris | | | | | |
| Inspector Comment | | | | | |
| Remove the trash from the landside slope. | | | | | |

No Photos

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.40 | Rating ** | U | Issue No. | 6 |
| LM End | 1.51 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.996208 ° | 36.996607 ° |
| | | | | -120.366550 ° | -120.346568 ° |
| DWR ID | DWR_NA0011_03_f_2016_6 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| There need to be rodent bait stations placed along the levee section landside slope and or shoulder at levee miles listed. | | | | | |

Photo 1 of 2 : FA_2016_NA0011_144_6_20161011_00016.jpg



Berenda Slough Unit 3 levee miles 0.40-1.51 landside shoulder and slope.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Berenda Slough | Right | 1.51 | 10/04/2016 10/04/2016 | Herman Phillips |

| | | | | | | |
|---|------------------------|--------------|----|------------------------|----------|---------------|
| LM Start | 0.40 | Rating ** | U | Issue No. | 6 (cont) | |
| LM End | 1.51 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Animal Control | | | 36.996208 ° | | 36.996607 ° |
| | | | | -120.366550 ° | | -120.346568 ° |
| DWR ID | DWR_NA0011_03_f_2016_6 | | | | | |
| Comment Code | | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | | |
| Inspector Comment | | | | | | |
| There need to be rodent bait stations placed along the levee section landside slope and or shoulder at levee miles listed. | | | | | | |

Photo 2 of 2 : FA_2016_NA0011_144_6_20161011_00018.jpg



More active rodents holes and foot traffic seen around holes though no rodents observed.

| | | | | | |
|--|------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.71 | Rating ** | M | Issue No. | 7 |
| LM End | 1.51 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.996252° | 36.996607° |
| | | | | -120.361063° | -120.346568° |
| DWR ID | DWR_NA0011_03_f_2016_7 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| There should be bait stations placed along these levee miles listed to radicate rodents. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Berenda Slough | Right | 1.51 | 10/04/2016 10/04/2016 | Herman Phillips |

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.71 | Rating ** | M | Issue No. | 8 |
| LM End | 1.51 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.996257 ° | 36.996607 ° |
| | | | | -120.361025 ° | -120.346568 ° |
| DWR ID | DWR_NA0011_03_f_2016_8 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Exterminate rodents from the crown roadway in the area listed. Active rodents observed during inspection at this site. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_144_8_20161011_00022.jpg



Berenda Slough Unit 3 looking upstream from levee miles 0.71 - to 1.51.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.87 | Rating ** | M | Issue No. | 39 |
| LM End | 0.87 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 36.996261 ° | 36.996261 ° |
| | | | | -120.358095 ° | -120.358095 ° |
| DWR ID | DWR_NA0011_03_s_2013_39 | | | | |
| Comment Code | | | | | |
| T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Trim the tree limbs up off the levee slope so the ground can be seen. | | | | | |

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Berenda Slough | Right | 1.51 | 10/04/2016 10/04/2016 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.07 | Rating ** | M | Issue No. | 15 |
| LM End | 1.10 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 36.996618 ° | 36.996633 ° |
| | | | | -120.354538 ° | -120.354012 ° |
| DWR ID | DWR_NA0011_03_s_2012_15 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Trim the trees on the landside listed, 5.0 foot above the ground to view the slope. | | | | | |

No Photos

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.24 | Rating ** | U | Issue No. | 4 |
| LM End | 1.25 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 36.996582 ° | 36.996582 ° |
| | | | | -120.351482 ° | -120.351258 ° |
| DWR ID | DWR_NA0011_03_f_2016_4 | | | | |
| Comment Code | | | | | |
| S1 : Repair slope instability. | | | | | |
| Inspector Comment | | | | | |
| Repair the slope instability and damaged shoulder at this location. The cause for this damage is the walnut trees landside encroaching onto the levee crown forcing the traffic to vere around. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_144_4_20161011_00020.jpg



Berenda Slough looking back upstream waterside at the shoulder and slope levee miles 1.24-1.25.

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Berenda Slough | Right | 1.51 | 10/04/2016 10/04/2016 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.24 | Rating ** | U | Issue No. | 17 |
| LM End | 1.24 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 36.996632 ° | 36.996632 ° |
| | | | | -120.351463 ° | -120.351463 ° |
| DWR ID | DWR_NA0011_03_s_2012_17 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| The cluster of walnut trees needs to be removed from the levee section water ward. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_144_17_20161011_00019.jpg



Berenda Slough Unit 3 looking upstream from levee mile 1.26 Walnut trees on landside slope.

| | | |
|--|---|---|
| * 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 |
|--|---|---|

Madera County FCWCA

Berenda Slough Unit 4 looking upstream from levee miles 0.01-1.50.

Page 1 of 8

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Berenda Slough | Left | 2.28 | 10/04/2016 10/04/2016 | Herman Phillips |

| | | | | | |
|---|------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.01 | Rating ** | U | Issue No. | 4 |
| LM End | 1.60 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.995493° | 36.996215° |
| | | | | -120.373242° | -120.344808° |
| DWR ID | DWR_NA0011_04_f_2014_4 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| No maintenance has been done in several years, remove the wild growth from the levee section. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_145_4_20161011_00018.jpg



Berenda Slough Unit 4 looking downstream from the waterside levee slope from levee mile 1.60 towards levee mile 0.01.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.06 | Rating ** | M | Issue No. | 20 |
| LM End | 0.06 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 36.995597 ° | 36.995597 ° |
| | | | | -120.372391 ° | -120.372391 ° |
| DWR ID | DWR_NA0011_04_f_2012_20 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove the tree limbs from the waterside levee slope. | | | | | |

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Berenda Slough | Left | 2.28 | 10/04/2016 10/04/2016 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.08 | Rating ** | M | Issue No. | 25 |
| LM End | 0.08 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 36.995557° | 36.995557° |
| | | | | -120.372062° | -120.372062° |
| DWR ID | DWR_NA0011_04_s_2013_25 | | | | |
| Comment Code | | | | | |
| T4 : Trim trees over roadway to at least 12 feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Remove the dead tree limbs hanging over the levee crown. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.12 | Rating ** | M | Issue No. | 26 |
| LM End | 0.12 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 36.995532° | 36.995532° |
| | | | | -120.371428° | -120.371428° |
| DWR ID | DWR_NA0011_04_s_2013_26 | | | | |
| Comment Code | | | | | |
| T4 : Trim trees over roadway to at least 12 feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Trim the tree branches over roadway 12 foot above ground. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.14 | Rating ** | U | Issue No. | 15 |
| LM End | 0.14 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 36.995528 ° | 36.995528 ° |
| | | | | -120.370922 ° | -120.370922 ° |
| DWR ID | DWR_NA0011_04_f_2015_15 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| There are many dead trees in the area. This one happened to be blocking the crown roadway. Remove the dead trees from the levee section. Many more are subject to fall and further block access to the levee crown. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_145_15_20161011_00019.jpg



Berenda Slough looking upstream from the levee mile 0.14.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Berenda Slough | Left | 2.28 | 10/04/2016 10/04/2016 | Herman Phillips |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.14 | Rating ** | U | Issue No. | 3 |
| LM End | 0.97 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 36.995543 ° | 36.995550 ° |
| | | | | -120.370907 ° | -120.355935 ° |
| DWR ID | DWR_NA0011_04_f_2016_3 | | | | |
| Comment Code | | | | | |
| S1 : Repair slope instability. | | | | | |
| Inspector Comment | | | | | |
| The slope in this area has been damaged by farm equipment on the slope. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_145_3_20161011_00020.jpg



Berenda Slough Unit 4 Looking upstream from levee mile 0.14-0.97.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.28 | Rating ** | M | Issue No. | 21 |
| LM End | 0.28 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 36.995564 ° | 36.995564 ° |
| | | | | -120.368540 ° | -120.368540 ° |
| DWR ID | DWR_NA0011_04_f_2012_21 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove the discarded tree and branches from the levee slope. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Berenda Slough | Left | 2.28 | 10/04/2016 10/04/2016 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.47 | Rating ** | U | Issue No. | 16 |
| LM End | 0.47 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 36.995603 ° | 36.995603 ° |
| | | | | -120.364978 ° | -120.364978 ° |
| DWR ID | DWR_NA0011_04_s_2014_16 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| This dead tree on water ward slope should be removed from levee section. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_145_16_20161011_00021.jpg



Berenda Slough Unit 4 levee mile 0.47 looking back upstream.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.62 | Rating ** | U | Issue No. | 11 |
| LM End | 1.25 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.995568 ° | 36.995474 ° |
| | | | | -120.362303 ° | -120.350890 ° |
| DWR ID | DWR_NA0011_04_f_2016_11 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Exterminate the rodents and backfill and compact or grout the burrows in this area listed. | | | | | |

Photo 1 of 3 : FA_2016_NA0011_145_11_20161011_00022.jpg



Berenda Slough landside slope levee miles 0.62-1.25 looking upstream.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.62 | Rating ** | U | Issue No. | 11 (cont) |
| LM End | 1.25 | Issue Type + | Ma | Location * | LS |

Photo 2 of 3 : FA_2016_NA0011_145_11_20161012_00027.jpg



Berenda Slough landside slope levee miles 0.62-1.25. looking upstream.

*** 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

Madera County FCWCA

Berenda Slough levee mile 1.63-2.23 looking upstream at waterside slope.

Page 6 of 8

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|------|------------|--------------------------|-----------------|
| Unit No. 04 Berenda Slough | Left | 2.28 | 10/04/2016 10/04/2016 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.63 | Rating ** | U | Issue No. | 57 |
| LM End | 2.23 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.996574 ° | 37.003328 ° |
| | | | | -120.344430 ° | -120.337604 ° |
| DWR ID | DWR_NA0011_04_s_2012_57 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| The District really needs to do a better job of controlling the rodents. There should be bait stations with rodent bait in place. (2013). | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.63 | Rating ** | U | Issue No. | 57 (cont) |
| LM End | 2.23 | Issue Type + | Ma | Location * | LS |

Photo 1 of 3 : FA_2016_NA0011_145_57_20161011_00023.jpg



Berenda Slough looking upstream landside slope.

Photo 2 of 3 : FA_2016_NA0011_145_57_20161011_00026.jpg



More activity

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.63 | Rating ** | U | Issue No. | 57 (cont) |
| LM End | 2.23 | Issue Type + | Ma | Location * | LS |

Photo 3 of 3 : FA_2016_NA0011_145_57_20161011_00025.jpg



Activity on the landside slope between the levee mile 1.63 and 2.23.

*** Location**

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

**** Rating**

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

+ Issue Type

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|------|------------|--------------------------|--------------------|
| Unit No. 04 Berenda Slough | Left | 2.28 | 10/04/2016 10/04/2016 | Herman Phillips |

| | | | | | |
|---|---------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.63 | Rating ** | M | Issue No. | 59 |
| LM End | 1.67 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.996573° | 36.997002° |
| | | | | -120.344428° | -120.343977° |
| DWR ID | DWR_NA0011_04_s _ 2012_59 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Exterminate rodents in this area. | | | | | |

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

Madera County FCWCA

Fresno River looking upstream levee mile 0.00 waterside slope.

Page 1 of 10

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Fresno River | Right | 9.10 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | U | Issue No. | 8 |
| LM End | 4.05 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.978557 ° | 36.968152 ° |
| | | | | -120.368423 ° | -120.301103 ° |
| DWR ID | DWR_NA0011_05_f_2015_8 | | | | |
| Comment Code | | | | | |
| V9 : Keep the crown roadway free of vegetation. | | | | | |
| Inspector Comment | | | | | |
| The crown roadway must be free of all vegetation. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_146_8_20161012_00020.jpg



Fresno River looking upstream levee mile 0.00.

| | | | | | |
|---|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.86 | Rating ** | M | Issue No. | 13 |
| LM End | 1.13 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 36.972344 ° | 36.968963 ° |
| | | | | -120.355692 ° | -120.353347 ° |
| DWR ID | DWR_NA0011_05_s_2012_13 | | | | |
| Comment Code | | | | | |
| C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation. | | | | | |
| Inspector Comment | | | | | |
| Regrade the crown for proper drainage. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Fresno River | Right | 9.10 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | | | | |
|---|---------------------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 1.18 | Rating ** | M | Issue No. | 16 |
| LM End | 1.19 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Crown Surface / Depressions / Rutting | | 36.968354 ° | 36.968272 ° | |
| | | | -120.352761 ° | -120.352623 ° | |
| DWR ID | DWR_NA0011_05_f_2012_16 | | | | |
| Comment Code | | | | | |
| C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation. | | | | | |
| Inspector Comment | | | | | |
| Add material to this location. | | | | | |

No Photos

| | | | | | |
|--|---------------------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 1.28 | Rating ** | M | Issue No. | 11 |
| LM End | 1.37 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Crown Surface / Depressions / Rutting | | 36.967858 ° | 36.967868 ° | |
| | | | -120.351064 ° | -120.349417 ° | |
| DWR ID | DWR_NA0011_05_s_2012_11 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| Repair the ruts in crown roadway. | | | | | |

No Photos

| | | | | | |
|---|---------------------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 1.51 | Rating ** | M | Issue No. | 30 |
| LM End | 1.85 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Crown Surface / Depressions / Rutting | | 36.967901 ° | 36.967931 ° | |
| | | | -120.347012 ° | -120.340852 ° | |
| DWR ID | DWR_NA0011_05_f_2012_30 | | | | |
| Comment Code | | | | | |
| C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation. | | | | | |
| Inspector Comment | | | | | |
| Regrade for proper drainage and add material where needed. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Fresno River | Right | 9.10 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | | | | |
|-------------------|---|--------------|----|------------------------|---------------|
| LM Start | 2.50 | Rating ** | M | Issue No. | 19 |
| LM End | 2.50 | Issue Type + | Ma | Location * | WS |
| Category | Rivers, Channels & Designated Floodways | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 36.968222 ° | 36.968222 ° |
| | | | | -120.329131 ° | -120.329131 ° |
| DWR ID | DWR_NA0011_05_s _ 2012_19 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Trash in channel. | | | | | |

No Photos

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.06 | Rating ** | A | Issue No. | 20 |
| LM End | 6.58 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.968172 ° | 36.968525 ° |
| | | | | -120.300943 ° | -120.255387 ° |
| DWR ID | DWR_NA0011_05_f _ 2016_20 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| No unwanted vegetation. | | | | | |

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Fresno River | Right | 9.10 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 4.06 | Rating ** | A | Issue No. | 22 |
| LM End | 6.58 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 36.968172° | 36.968525° | |
| | | | -120.300943° | -120.255387° | |
| DWR ID | DWR_NA0011_05_f_2016_22 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| No unwanted vegetation | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 4.06 | Rating ** | A | Issue No. | 25 |
| LM End | 9.06 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 36.968172° | 36.973168° | |
| | | | -120.300943° | -120.212247° | |
| DWR ID | DWR_NA0011_05_f_2016_25 | | | | |
| Comment Code | | | | | |
| V9 : Keep the crown roadway free of vegetation. | | | | | |
| Inspector Comment | | | | | |
| No unwanted vegetation. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|------------------------|--------------|-----------|
| LM Start | 4.20 | Rating ** | M | Issue No. | 21 |
| LM End | 4.32 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Animal Control | | 36.968135° | 36.968202° | |
| | | | -120.298355° | -120.296210° | |
| DWR ID | DWR_NA0011_05_s_2012_21 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Observed rodent burrows but no rodents seen. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Fresno River | Right | 9.10 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 4.46 | Rating ** | M | Issue No. | 23 |
| LM End | 5.22 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Animal Control | | 36.968230 ° | 36.968247 ° | |
| | | | -120.293665 ° | -120.279957 ° | |
| DWR ID | DWR_NA0011_05_s_2012_23 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Observed many rodent burrows, no rodent was seen. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 6.09 | Rating ** | M | Issue No. | 31 |
| LM End | 6.09 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Encroachments | | 36.968178 ° | 36.968178 ° | |
| | | | -120.264122 ° | -120.264122 ° | |
| DWR ID | DWR_NA0011_05_f_2015_31 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| The pruning's here need to be burned or removed from levee slope waterside. | | | | | |

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

Madera County FCWCA

Photo 1 of 1 : FA_2016_NA0011_146_26_20161012_00024.jpg



Fresno River looking upstream oof the landside levee slope miles 6.58-7.54.

Photo 1 of 1 : FA_2016_NA0011_146_27_20161012_00025.jpg



Fresno River looking upstream waterside levee mile 6.58-9.07.

Page 8 of 10

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Fresno River | Right | 9.10 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.75 | Rating ** | U | Issue No. | 28 |
| LM End | 6.95 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.969200 ° | 36.969507 ° |
| | | | | -120.252462 ° | -120.248893 ° |
| DWR ID | DWR_NA0011_05_f_2016_28 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Exterminate the rodents in the area listed and place bait stations along the shoulder and or slope. | | | | | |

Photo 1 of 2 : FA_2016_NA0011_146_28_20161012_00021.jpg



Fresno River landside slope looking upstream of levee mile 6.75 -6.95.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 6.75 | Rating ** | U | Issue No. | 28 (cont) |
| LM End | 6.95 | Issue Type + | Ma | Location * | LS |

Photo 2 of 2 : FA_2016_NA0011_146_28_20161012_00023.jpg



Fresno River looking upstream of the landside slope levee miles 6.76-6.95.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.06 | Rating ** | M | Issue No. | 29 |
| LM End | 7.57 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.969517 ° | 36.969528 ° |
| | | | | -120.246928 ° | -120.237790 ° |
| DWR ID | DWR_NA0011_05_f_2016_29 | | | | |
| Comment Code | | | | | |
| V9 : Keep the crown roadway free of vegetation. | | | | | |
| Inspector Comment | | | | | |
| The crown roadway should be keep clear of vegetation. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Fresno River | Right | 9.10 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.57 | Rating ** | A | Issue No. | 32 |
| LM End | 9.06 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.969528 ° | 36.973168 ° |
| | | | | -120.237790 ° | -120.212247 ° |
| DWR ID | DWR_NA0011_05_f_2016_32 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| No unwanted vegetation. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.11 | Rating ** | M | Issue No. | 37 |
| LM End | 8.19 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.972391 ° | 36.972399 ° |
| | | | | -120.228857 ° | -120.227424 ° |
| DWR ID | DWR_NA0011_05_s_2013_37 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Observed rodent burrows but no rodents present during the inspection. | | | | | |

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 06 Fresno River | Left | 9.03 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.00 | Rating ** | U | Issue No. | 23 |
| LM End | 2.48 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.976923° | 36.967223° |
| | | | | -120.367500° | -120.328288° |
| DWR ID | DWR_NA0011_06_f_2016_23 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Remove the wild weed growth from the landward slope.. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_147_23_20161012_00028.jpg



Fresno River looking upstream from the landside slope levee mile 0.00-2.48.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.00 | Rating ** | U | Issue No. | 22 |
| LM End | 5.88 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.976923° | 36.967508° |
| | | | | -120.367500° | -120.266710° |
| DWR ID | DWR_NA0011_06_f_2016_22 | | | | |
| Comment Code | | | | | |
| V9 : Keep the crown roadway free of vegetation. | | | | | |
| Inspector Comment | | | | | |
| Remove the weed growth from the crown roadway. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_147_22_20161012_00029.jpg



Fresno River looking downstream crown roadway levee mile 3.47.

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 06 Fresno River | Left | 9.03 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 0.01 | Rating ** | M | Issue No. | 19 |
| LM End | 6.39 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.976937° | 36.967843° |
| | | | | -120.367308° | -120.257605° |
| DWR ID | DWR_NA0011_06_f_2016_19 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Exterminate rodents and backfill burrows. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.01 | Rating ** | U | Issue No. | 11 |
| LM End | 9.02 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.976937 ° | 36.972662 ° |
| | | | | -120.367308 ° | -120.211712 ° |
| DWR ID | DWR_NA0011_06_f_2016_11 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove the unwanted tall weed growth from the waterside slope and shoulder. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_147_11_20161012_00030.jpg



Fresno River looking downstream from 9.02 waterside slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.18 | Rating ** | M | Issue No. | 18 |
| LM End | 3.19 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.976901 ° | 36.967383 ° |
| | | | | -120.364174 ° | -120.315330 ° |
| DWR ID | DWR_NA0011_06_s_2012_18 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| No rodents were seen, but lots of burrows present during inspection. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 06 Fresno River | Left | 9.03 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|--------------|
| LM Start | 1.12 | Rating ** | M | Issue No. | 41 |
| LM End | 1.19 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 36.967494° | 36.967207° |
| | | | | -120.352670° | -120.351590° |
| DWR ID | DWR_NA0011_06_s_2013_41 | | | | |
| Comment Code | | | | | |
| S1 : Repair slope instability. | | | | | |
| Inspector Comment | | | | | |
| Repair the slope damaged by farm equipment. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.71 | Rating ** | M | Issue No. | 13 |
| LM End | 2.79 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.967317 ° | 36.967302 ° |
| | | | | -120.324138 ° | -120.322640 ° |
| DWR ID | DWR_NA0011_06_s_2012_13 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| District needs to continue using the bait stations in the areas where rodents are visibly active. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 06 Fresno River | Left | 9.03 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.13 | Rating ** | U | Issue No. | 48 |
| LM End | 4.13 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.967465 ° | 36.967465 ° |
| | | | | -120.298415 ° | -120.298415 ° |
| DWR ID | DWR_NA0011_06_f_2014_48 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Huge rodent burrow in crown roadway landward, backfill and compact. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_147_48_20161004_00009.jpg



Huge Rodent hole in crown roadway and many other holes at this location on the slope and toe.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.92 | Rating ** | M | Issue No. | 28 |
| LM End | 6.47 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.967501 ° | 36.967893 ° |
| | | | | -120.284141 ° | -120.256169 ° |
| DWR ID | DWR_NA0011_06_f_2012_28 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Control the weeds on the landside slope. | | | | | |

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

Madera County FCWCA

Fresno River looking upstream from the landside slope levee mile 5.71.

No Photos

Fresno River landside slope from levee mile 8.51 looking downstream.

Page 5 of 8

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 06 Fresno River | Left | 9.03 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.70 | Rating ** | U | Issue No. | 15 |
| LM End | 8.52 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.969558 ° | 36.971510 ° |
| | | | | -120.234257 ° | -120.220510 ° |
| DWR ID | DWR_NA0011_06_f_2016_15 | | | | |
| Comment Code | | | | | |
| V9 : Keep the crown roadway free of vegetation. | | | | | |
| Inspector Comment | | | | | |
| Keep the crown roadway free of vegetation. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_147_15_20161012_00035.jpg



Fresno River levee crown roadway from levee mile 8.52 looking downstream.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.03 | Rating ** | U | Issue No. | 36 |
| LM End | 8.03 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 36.971582 ° | 36.971582 ° |
| | | | | -120.229180 ° | -120.229180 ° |
| DWR ID | DWR_NA0011_06_f_2015_36 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| The dead tree has been removed from blocking the roadway but still need to be removed from the levee section. | | | | | |

Photo 1 of 2 : FA_2016_NA0011_147_36_20161004_00005.jpg



Dead tree pushed upon the waterside slope and blocking the crown.

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 06 Fresno River | Left | 9.03 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | | | | | |
|---|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 8.03 | Rating ** | U | Issue No. | 36 (cont) | |
| LM End | 8.03 | Issue Type + | Ma | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Encroachments | | | 36.971582 ° | | 36.971582 ° |
| | | | | -120.229180 ° | | -120.229180 ° |
| DWR ID | DWR_NA0011_06_f_2015_36 | | | | | |
| Comment Code | | | | | | |
| TR : Tree or limb | | | | | | |
| Inspector Comment | | | | | | |
| The dead tree has been removed from blocking the roadway but still need to be removed from the levee section. | | | | | | |

Photo 2 of 2 : FA_2016_NA0011_147_36_20161012_00034.jpg



Fresno River levee mile 8.03 waterside slope and shoulder.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.09 | Rating ** | U | Issue No. | 31 |
| LM End | 8.09 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 36.971692 ° | 36.971692 ° |
| | | | | -120.227957 ° | -120.227957 ° |
| DWR ID | DWR_NA0011_06_f_2015_31 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove the dead tree off the slope and shoulder, this has been reported in the last two inspections. | | | | | |

Photo 1 of 1 : FA_2016_NA0011_147_31_20161012_00033.jpg



Fresno River levee mile 8.09.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.51 | Rating ** | A | Issue No. | 14 |
| LM End | 9.02 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.971537 ° | 36.972662 ° |
| | | | | -120.220693 ° | -120.211712 ° |
| DWR ID | DWR_NA0011_06_f_2016_14 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| No unwanted vegetation present on the landside slope. | | | | | |

No Photos

| | | | | | | | |
|---|--|---|--|---|--|--|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|---|--|---|--|---|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|------|------------|--------------------------|--------------------|
| Unit No. 06 Fresno River | Left | 9.03 | 10/06/2016 10/06/2016 | Herman Phillips |

| | | |
|--|---|---|
| * 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 |
|--|---|---|