

**Flood Control Project Maintenance
Levee Inspections**

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

Solano County Public Works Mellin Levee

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Mellin Levee | Right | 0.59 | 11/04/2020 11/04/2020 | David Julian |

| | | | | | |
|---|----------------------------------|--------------|----|------------------------|----------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 6 |
| LM End | 0.00 | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Operations & Maintenance Manuals | | | ° | ° |
| | | | | ° | ° |
| DWR ID | DWR_NA0012_01_s_2013_6 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| LMA has a copy of the O&M manual on file. | | | | | |

No Photos

| | | | | | |
|---|--------------------------------|--------------|----|------------------------|----------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 7 |
| LM End | 0.00 | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Emergency Supplies & Equipment | | | ° | ° |
| | | | | ° | ° |
| DWR ID | DWR_NA0012_01_s_2013_7 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| LMA has an adequate supply of flood fight supplies in Vacaville at the Lewis stockyard. | | | | | |

No Photos

| | | | | | |
|--|-------------------------------|--------------|----|------------------------|----------|
| LM Start | 0.00 | Rating ** | M | Issue No. | 9 |
| LM End | 0.00 | Issue Type + | Ma | Location * | N/A |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Flood Preparedness & Training | | | ° | ° |
| | | | | ° | ° |
| DWR ID | DWR_NA0012_01_s_2013_9 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| LMA contracts with Solano County Channel Maintenance for flood fight. LMA will check when they last trained. | | | | | |

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 Mellin Levee | Right | 0.59 | 11/04/2020 11/04/2020 | David Julian |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | M | Issue No. | 10 |
| LM End | 0.34 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 38.174067 ° | 38.177508 ° |
| | | | | -121.674271 ° | -121.678675 ° |
| DWR ID | DWR_NA0012_01_s_2019_10 | | | | |
| Comment Code | | | | | |
| S2 : Repair the levee slope damaged by foot traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| Repair instabilities caused by cattle walking on the waterside slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0012_258_10_20201009_00004.jpg



View of slope instabilities caused by cows on the waterside slope (Spring 2019).

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.13 | Rating ** | U | Issue No. | 11 |
| LM End | 0.13 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 38.175355 ° | 38.175355 ° |
| | | | | -121.675833 ° | -121.675833 ° |
| DWR ID | DWR_NA0012_01_f_2018_11 | | | | |
| Comment Code | | | | | |
| S2 : Repair the levee slope damaged by foot traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| Cows are digging into the waterside toe. | | | | | |

Photo 1 of 1 : FA_2020_NA0012_258_11_20201009_00005.jpg



View of erosion into waterside toe (October 2018).

*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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