

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Yolo Bypass | Left | 15.41 | 05/18/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|---|----------------------------------|--------------|------------------------|------------|-----------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 53 |
| 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_RD0999_01_s_2013_53 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| The LMA has a copy of the O & M manual on file. | | | | | |

No Photos

| | | | | | |
|---|--------------------------------|--------------|------------------------|------------|-----------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 54 |
| 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_RD0999_01_s_2019_54 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| The LMA has adequate floodfight supplies and equipment on hand. | | | | | |

No Photos

| | | | | | |
|---|-------------------------------|--------------|------------------------|------------|-----------|
| LM Start | 0.00 | Rating ** | A | Issue No. | 55 |
| 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_RD0999_01_s_2013_55 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| The LMA is prepared for responding to floods and has received training in 2020. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
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| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.04 | Rating ** | M | Issue No. | 22 |
| LM End | 8.11 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.504510 ° | 38.392822 ° |
| | | | | -121.582232 ° | -121.618389 ° |
| DWR ID | DWR_RD0999_01_s_2022_22 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Maintain annual vegetation on slope and within 10' of the toe. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_22_20220524_00084.jpg



Annual vegetation on the landsides slope. Spring 2022

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.27 | Rating ** | M | Issue No. | 3 |
| LM End | 0.27 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.501113 ° | 38.501113 ° |
| | | | | -121.581975 ° | -121.581975 ° |
| DWR ID | DWR_RD0999_01_s_2022_3 | | | | |
| Comment Code | | | | | |
| V4 : Elderberries are blocking visibility and flood fight capability. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
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| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Yolo Bypass | Left | 15.41 | 05/18/2022 05/20/2022 | Marvin Marshall |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 1.73 | Rating ** | U | Issue No. | 4 | |
| LM End | 1.73 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 38.480097 ° | 38.480097 ° | |
| | | | | -121.580844 ° | -121.580844 ° | |
| DWR ID | 22743 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:69815 DS_ID:22743 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 06/16/2020 Record remains Non-Urgent. No permit has been identified authorizing pipe. Crossing appears abandoned. Recommend owner to contact CVFPB to abandon or remove pipe from levee. (D.Sanoski - DWR UCIP) 07/26/2018 Same as last inspection. Pipe open on WS, but no visual signs of pipe or levee integrity issues so downgrading crossing to Non-Urgent (D. Sanoski - DWR UCIP).07/07/2016 Condition largely unchanged from previous inspection. Pipe open on the WS, waterward of the siphon breaker. Dense vegetation and steep slope limited inspection of WS outlet into Ship Channel. (T. Hatch/UCIP) 06/25/2013 Pipe abandoned and open on WS slope. Pipe should be abandoned properly. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 30-inch steel drainage pipe through the levee, 6.5 feet below the crown. Pump on a platform in the canal off the landside (LS) toe. Flap gate on the waterside (WS). Siphon breaker and an air vent on the WS shoulder. 1-inch galvanized iron filler pipe visible on the WS shoulder along same alignment. [Additional Reference(s): DWR Levee Log, 1992 (HLM 1.73). USACE Sacramento O&M Manual, Unit 113, October 1966, Revised 29 December 2016, (1.73), listed as 30-inch pipe]. FS Date: 6/16/2020 2:16:00 PM | | | | | | |

| | | | | | |
|----------|------|--------------|----|------------|----------|
| LM Start | 1.73 | Rating ** | U | Issue No. | 4 (cont) |
| LM End | 1.73 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_SP_2022_69815_88522.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_SP_2022_69815_88523.jpg



Water-Side: view of WS slope and broken crossing at toe.

| | | | |
|--|--|---|---|
| * 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 Yolo Bypass | Left | 15.41 | 05/18/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|-----------------|
| LM Start | 1.73 | Rating ** | U | Issue No. | 4 (cont) |
| LM End | 1.73 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 38.480097 ° | 38.480097 ° |
| | | | | -121.580844 ° | -121.580844 ° |
| DWR ID | 22743 | | | | |

Photo 3 of 3 : UCIP_SP_2022_69815_88524.jpg



Land-Side: view of LS slope and pump platform off in distance.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.50 | Rating ** | M | Issue No. | 23 |
| LM End | 8.11 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.469176 ° | 38.392748 ° |
| | | | | -121.583049 ° | -121.618419 ° |
| DWR ID | DWR_RD0999_01_s_2022_23 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_23_20220524_00085.jpg



Annual vegetation growth on the waterside slope. Spring 2022

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.83 | Rating ** | M | Issue No. | 25 |
| LM End | 2.92 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Cracking | | | 38.464788 ° | 38.463504 ° |
| | | | | -121.585021 ° | -121.585613 ° |
| DWR ID | DWR_RD0999_01_s_2022_25 | | | | |
| Comment Code | | | | | |
| CR1 : Monitor and have inspected by geotechnical engineer. | | | | | |
| Inspector Comment | | | | | |
| Have desiccation cracking inspected by geotechnical engineer. 3'+ depth on both sides of crown. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_25_20220524_00086.jpg



Desiccation cracking on the shoulder. Spring 2022

| | | | |
|--|--|---|---|
| * 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 Yolo Bypass | Left | 15.41 | 05/18/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.00 | Rating ** | M | Issue No. | 32 |
| LM End | 3.00 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Cracking | | | 38.462421 ° | 38.462421 ° |
| | | | | -121.586114 ° | -121.586114 ° |
| DWR ID | DWR_RD0999_01_s_2022_32 | | | | |
| Comment Code | | | | | |
| CR1 : Monitor and have inspected by geotechnical engineer. | | | | | |
| Inspector Comment | | | | | |
| Have desiccation cracking inspected by geotechnical engineer. 3'+ depth on landside of crown. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_32_20220524_00087.jpg



Desiccation cracking on the shoulder. Spring 2022

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.60 | Rating ** | U | Issue No. | 35 |
| LM End | 3.63 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Cracking | | | 38.454240 ° | 38.453849 ° |
| | | | | -121.589924 ° | -121.590108 ° |
| DWR ID | DWR_RD0999_01_s_2022_35 | | | | |
| Comment Code | | | | | |
| CR2 : Schedule repair of subsidence prior to the next inspection. | | | | | |
| Inspector Comment | | | | | |
| Have desiccation cracking inspected by geotechnical engineer. 3'+ depth on crown. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_35_20220524_00088.jpg



Desiccation cracking on the shoulder. Spring 2022

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.79 | Rating ** | M | Issue No. | 36 |
| LM End | 3.83 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Cracking | | | 38.451704 ° | 38.451176 ° |
| | | | | -121.591078 ° | -121.591332 ° |
| DWR ID | DWR_RD0999_01_s_2022_36 | | | | |
| Comment Code | | | | | |
| CR1 : Monitor and have inspected by geotechnical engineer. | | | | | |
| Inspector Comment | | | | | |
| Have desiccation cracking inspected by geotechnical engineer. 3'+ depth on crown. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_36_20220524_00089.jpg



Desiccation cracking on the shoulder. Spring 2022

| | | | | | |
|--|--|---|--|---|--|
| * 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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|-------------------------|------|------------|--------------------------|-----------------|
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| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 3.93 | Rating ** | A/W | Issue No. | 28 |
| LM End | 3.93 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.449753 ° | 38.449753 ° |
| | | | | -121.592023 ° | -121.592023 ° |
| DWR ID | DWR_RD0999_01_s_2021_28 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_28_20220307_00008.jpg



View of the signs of rodent activity. Spring 2021.

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 3.97 | Rating ** | A/W | Issue No. | 82 |
| LM End | 3.97 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.449217 ° | 38.449217 ° |
| | | | | -121.592267 ° | -121.592267 ° |
| DWR ID | DWR_RD0999_01_f_2020_82 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_82_20220307_00037.jpg



View of animal holes at the waterside toe. Fall 2020

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 4.04 | Rating ** | A/W | Issue No. | 80 |
| LM End | 4.04 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.448275 ° | 38.448275 ° |
| | | | | -121.592692 ° | -121.592692 ° |
| DWR ID | DWR_RD0999_01_f_2020_80 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_80_20220307_00036.jpg



View of animal holes at the waterside toe. Fall 2020

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

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| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.31 | Rating ** | M | Issue No. | 27 |
| LM End | 4.31 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Vehicle Traffic | | | 38.444560 ° | 38.444560 ° |
| | | | | -121.594440 ° | -121.594440 ° |
| DWR ID | DWR_RD0999_01_f _ 2012_27 | | | | |
| Comment Code | | | | | |
| E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| Instruct farmer to stop driving equipment and trucks onto the slope. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_27_20220307_00007.jpg



WS slope damage from vehicle and equipment traffic. Fall 2021

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.19 | Rating ** | M | Issue No. | 40 |
| LM End | 5.22 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Cracking | | | 38.432600 ° | 38.432167 ° |
| | | | | -121.600019 ° | -121.600194 ° |
| DWR ID | DWR_RD0999_01_s_2022_40 | | | | |
| Comment Code | | | | | |
| CR1 : Monitor and have inspected by geotechnical engineer. | | | | | |
| Inspector Comment | | | | | |
| Have desiccation cracking inspected by geotechnical engineer. 3'+ depth on crown. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.87 | Rating ** | U | Issue No. | 41 |
| LM End | 6.05 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Cracking | | | 38.423330 ° | 38.420889 ° |
| | | | | -121.604272 ° | -121.605407 ° |
| DWR ID | DWR_RD0999_01_s_2022_41 | | | | |
| Comment Code | | | | | |
| CR1 : Monitor and have inspected by geotechnical engineer. | | | | | |
| Inspector Comment | | | | | |
| Have desiccation cracking inspected by geotechnical engineer. 3'+ depth on crown. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_41_20220524_00090.jpg



Desiccation cracking on the shoulder. Spring 2022

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
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| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.88 | Rating ** | U | Issue No. | 48 |
| LM End | 7.38 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Cracking | | | 38.409549 ° | 38.402726 ° |
| | | | | -121.610642 ° | -121.613759 ° |
| DWR ID | DWR_RD0999_01_s_2022_48 | | | | |
| Comment Code | | | | | |
| CR1 : Monitor and have inspected by geotechnical engineer. | | | | | |
| Inspector Comment | | | | | |
| Have desiccation cracking inspected by geotechnical engineer. 3'+ depth on crown. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_48_20220524_00091.jpg



Desiccation cracking on the shoulder. Spring 2022

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.80 | Rating ** | U | Issue No. | 60 |
| LM End | 7.97 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Cracking | | | 38.397081 ° | 38.394765 ° |
| | | | | -121.616392 ° | -121.617471 ° |
| DWR ID | DWR_RD0999_01_s_2022_60 | | | | |
| Comment Code | | | | | |
| CR1 : Monitor and have inspected by geotechnical engineer. | | | | | |
| Inspector Comment | | | | | |
| Have desiccation cracking inspected by geotechnical engineer. 3'+ depth on crown. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_60_20220524_00092.jpg



Desiccation cracking on the shoulder. Spring 2022

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.01 | Rating ** | M | Issue No. | 74 |
| LM End | 8.01 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.394150 ° | 38.394150 ° |
| | | | | -121.617805 ° | -121.617805 ° |
| DWR ID | DWR_RD0999_01_s_2020_74 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove Arundo growth at the landside toe. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_74_20220307_00034.jpg



View of Arundo growth at the landside toe. Spring 2020

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

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| Unit No. 01 Yolo Bypass | Left | 15.41 | 05/18/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.80 | Rating ** | M | Issue No. | 30 |
| LM End | 8.80 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.383457 ° | 38.383457 ° |
| | | | | -121.622739 ° | -121.622739 ° |
| DWR ID | DWR_RD0999_01_f_2021_30 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_30_20220307_00010.jpg



Rodent burrows on LS slope. Fall 2021

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.34 | Rating ** | M | Issue No. | 24 |
| LM End | 9.35 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.376127 ° | 38.375889 ° |
| | | | | -121.626140 ° | -121.626258 ° |
| DWR ID | DWR_RD0999_01_s_2019_24 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Backfill the animal burrows on the landside slope and crown. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_24_20220307_00005.jpg



View of large animal holes on the landside slope. Fall 2020

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.44 | Rating ** | M | Issue No. | 61 |
| LM End | 9.44 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.374635 ° | 38.374635 ° |
| | | | | -121.626827 ° | -121.626827 ° |
| DWR ID | DWR_RD0999_01_s_2022_61 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Backfill burrow in the landside shoulder. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_61_20220524_00094.jpg



Burrows near the crown on the landside. Spring 2022

* 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Yolo Bypass | Left | 15.41 | 05/18/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.92 | Rating ** | M | Issue No. | 62 |
| LM End | 13.13 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.368154 ° | 38.323523 ° |
| | | | | -121.629816 ° | -121.644965 ° |
| DWR ID | DWR_RD0999_01_s_2022_62 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Maintain annual vegetation on the landside slope and within 10' of the toe. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_62_20220524_00097.jpg



Annual vegetation on the landside slope and toe. Spring 2022

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | DW.20 | Rating ** | M | Issue No. | 64 |
| LM End | 11.60 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.364294 ° | 38.345242 ° |
| | | | | -121.631646 ° | -121.640505 ° |
| DWR ID | DWR_RD0999_01_s_2022_64 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_64_20220524_00098.jpg



Annual vegetation on the waterside slope. Spring 2022

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.62 | Rating ** | M | Issue No. | 65 |
| LM End | 11.62 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Vehicle Traffic | | | 38.344903 ° | 38.344903 ° |
| | | | | -121.640451 ° | -121.640451 ° |
| DWR ID | DWR_RD0999_01_s_2022_65 | | | | |
| Comment Code | | | | | |
| E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| Repair erosion from vehicle traffic between the ramps. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_65_20220524_00099.jpg



Erosion from vehicle traffic between two ramps. Spring 2022

*** 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Yolo Bypass | Left | 15.41 | 05/18/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.29 | Rating ** | M | Issue No. | 47 |
| LM End | 13.30 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 38.321180 ° | 38.321043 ° |
| | | | | -121.644962 ° | -121.644960 ° |
| DWR ID | DWR_RD0999_01_f_2020_47 | | | | |
| Comment Code | | | | | |
| S1 : Repair slope instability. | | | | | |
| Inspector Comment | | | | | |
| A separation of soil up to 12" deep and 40' long exists on the waterside slope. | | | | | |

Photo 1 of 2 : SP_2022_RD0999_232_47_20220307_00022.jpg



View of soil separation on the waterside slope. Fall 2020

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 13.29 | Rating ** | M | Issue No. | 47 (cont) |
| LM End | 13.30 | Issue Type + | Ma | Location * | WS |

Photo 2 of 2 : SP_2022_RD0999_232_47_20220307_00023.jpg



View of soil separation on the waterside slope. Fall 2020

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.47 | Rating ** | M | Issue No. | 38 |
| LM End | 13.47 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 38.318667 ° | 38.318667 ° |
| | | | | -121.644948 ° | -121.644948 ° |
| DWR ID | DWR_RD0999_01_f _ 2021_38 | | | | |
| Comment Code | | | | | |
| S1 : Repair slope instability. | | | | | |
| Inspector Comment | | | | | |
| Repair slope sloughing, approximately 50' long 12" deep. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_38_20220307_00015.jpg



LS slope sloughing. Fall 2021

| | | | |
|--|--|---|---|
| * 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Yolo Bypass | Left | 15.41 | 05/18/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.83 | Rating ** | M | Issue No. | 16 |
| LM End | 13.83 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.313332 ° | 38.313332 ° |
| | | | | -121.644947 ° | -121.644947 ° |
| DWR ID | DWR_RD0999_01_s_2020_16 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| Remove prunings and tree debris from the landside toe. | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_16_20220307_00002.jpg



View of prunings at the landside toe. Spring 2020

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.88 | Rating ** | U | Issue No. | 70 |
| LM End | 14.40 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Cracking | | | 38.312696 ° | 38.305155 ° |
| | | | | -121.644935 ° | -121.644931 ° |
| DWR ID | DWR_RD0999_01_s_2022_70 | | | | |
| Comment Code | | | | | |
| CR1 : Monitor and have inspected by geotechnical engineer. | | | | | |
| Inspector Comment | | | | | |
| Large longitudinal and transverse cracks on both slopes. The landside cracking is worse. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_232_70_20220524_00102.jpg



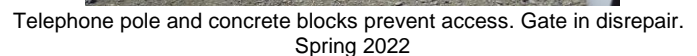
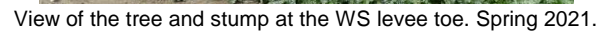
Desiccation cracking on the shoulder. Spring 2022

| | | | | | |
|-------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 14.04 | Rating ** | C | Issue No. | 49 |
| LM End | 14.04 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.310347 ° | 38.310347 ° |
| | | | | -121.644955 ° | -121.644955 ° |
| DWR ID | DWR_RD0999_01_f_2012_49 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| Depression has been filled. | | | | | |

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

Reclamation District No. 0999 Netherlands



**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Yolo Bypass | Left | 15.41 | 05/18/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 15.24 | Rating ** | M | Issue No. | 15 |
| LM End | 15.24 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 38.292973 ° | 38.292973 ° |
| | | | | -121.644977 ° | -121.644977 ° |
| DWR ID | 22756 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:69886 | | | | | |
| DS_ID:22756 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: 06/16/2020 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. | | | | | |
| (D.Sanoski - DWR UCIP) | | | | | |
| FIELD_STRUCT_DESC: 30-inch steel drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Pump in pump house on the landside (LS) toe. Siphon breaker in a corrugated metal pipe (CMP) riser on the WS shoulder. [Additional Reference(s): DWR Levee Log, 1992 (HLM 15.25). USACE Sacramento O&M Manual, Unit 113, October 1966, Revised 29 December 2016, (15.25), listed as 36-inch pipe]. | | | | | |
| FS Date: 6/16/2020 2:26:00 PM | | | | | |

| | | | | | |
|----------|-------|--------------|----|------------|-----------|
| LM Start | 15.24 | Rating ** | M | Issue No. | 15 (cont) |
| LM End | 15.24 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_SP_2022_69886_88563.jpg



Top of Levee: view of crown with riser to this pipe on WS shoulder.

Photo 2 of 3 : UCIP_SP_2022_69886_88565.jpg



Land-Side: view of LS slope and pumphouse at toe.

| | | | |
|--|--|---|---|
| * 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|------|------------|--------------------------|--------------------|
| Unit No. 01 Yolo Bypass | Left | 15.41 | 05/18/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|------------------|
| LM Start | 15.24 | Rating ** | M | Issue No. | 15 (cont) |
| LM End | 15.24 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 38.292973 ° | 38.292973 ° |
| | | | | -121.644977 ° | -121.644977 ° |
| DWR ID | 22756 | | | | |

Photo 3 of 3 : UCIP_SP_2022_69886_88564.jpg



Water-Side: view of WS slope and pipe riser.

| | | | |
|--|--|---|---|
| * 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Miner Slough | Right | 2.31 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.06 | Rating ** | C | Issue No. | 21 |
| LM End | 0.06 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.290434 ° | 38.290434 ° |
| | | | | -121.643873 ° | -121.643873 ° |
| DWR ID | DWR_RD0999_02_f_2017_21 | | | | |
| Comment Code | | | | | |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Trees have been trimmed. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.07 | Rating ** | M | Issue No. | 14 |
| LM End | 2.31 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.290507 ° | 38.286644 ° |
| | | | | -121.643610 ° | -121.606224 ° |
| DWR ID | DWR_RD0999_02_s_2022_14 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Maintain annual vegetation growth on the landside slope and within 10' of the toe. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_233_14_20220524_00033.jpg



Annual vegetation growth on the landside slope. Spring 2022

| | | | | | | |
|--|-------------------------|--------------|----|------------------------|----|---------------|
| LM Start | 0.07 | Rating ** | M | Issue No. | 19 | |
| LM End | 2.31 | Issue Type + | Ma | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Vegetation | | | 38.290506 ° | | 38.286642 ° |
| | | | | -121.643609 ° | | -121.606230 ° |
| DWR ID | DWR_RD0999_02_s_2022_19 | | | | | |
| Comment Code | | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | | |
| Inspector Comment | | | | | | |
| | | | | | | |

Photo 1 of 1 : SP_2022_RD0999_233_19_20220524_00034.jpg



Annual vegetation on the waterside slope. Spring 2022

| | | | |
|--|--|---|---|
| * 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Miner Slough | Right | 2.31 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.47 | Rating ** | C | Issue No. | 35 |
| LM End | 0.53 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.291473 ° | 38.291362 ° |
| | | | | -121.636694 ° | -121.635629 ° |
| DWR ID | DWR_RD0999_02_s _ 2020_35 | | | | |
| Comment Code | | | | | |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Growth removed within 20' of crown. | | | | | |

No Photos

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.73 | Rating ** | C | Issue No. | 29 |
| LM End | 0.75 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.292733 ° | 38.292704 ° |
| | | | | -121.632325 ° | -121.631994 ° |
| DWR ID | DWR_RD0999_02_s _ 2020_29 | | | | |
| Comment Code | | | | | |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Trees have been trimmed. | | | | | |

No Photos

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.84 | Rating ** | U | Issue No. | 18 |
| LM End | 0.84 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.292363 ° | 38.292363 ° |
| | | | | -121.630472 ° | -121.630472 ° |
| DWR ID | DWR_RD0999_02_s _ 2021_18 | | | | |
| Comment Code | | | | | |
| T6 : Trees / Falling Tree. | | | | | |
| Inspector Comment | | | | | |
| There are two downed trees on the LS slope that need to be removed. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_233_18_20220307_00008.jpg



View of the fallen trees on the LS levee slope. Spring 2021.

| | | | |
|--|--|---|---|
| * 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 02 Miner Slough | Right | 2.31 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.66 | Rating ** | M | Issue No. | 20 |
| LM End | 1.73 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.290369 ° | 38.289886 ° |
| | | | | -121.615765 ° | -121.614686 ° |
| DWR ID | DWR_RD0999_02_s_2022_20 | | | | |
| Comment Code | | | | | |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Trim trees to 5' above grade on the landside slope and within 10' of the toe. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_233_20_20220524_00035.jpg



Tree growth on the landside slope and toe. Spring 2022

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.73 | Rating ** | M | Issue No. | 8 |
| LM End | 1.76 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.289895 ° | 38.289595 ° |
| | | | | -121.614688 ° | -121.614337 ° |
| DWR ID | DWR_RD0999_02_s_2012_8 | | | | |
| Comment Code | | | | | |
| V4 : Elderberries are blocking visibility and flood fight capability. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.78 | Rating ** | M | Issue No. | 30 |
| LM End | 1.81 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.289340 ° | 38.289079 ° |
| | | | | -121.614030 ° | -121.613765 ° |
| DWR ID | DWR_RD0999_02_f_2017_30 | | | | |
| Comment Code | | | | | |
| V4 : Elderberries are blocking visibility and flood fight capability. | | | | | |
| Inspector Comment | | | | | |
| Elderberry bushes block visibility of the levee toe. | | | | | |

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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 02 Miner Slough | Right | 2.31 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.93 | Rating ** | M | Issue No. | 16 |
| LM End | 1.93 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.288713 ° | 38.288713 ° |
| | | | | -121.611620 ° | -121.611620 ° |
| DWR ID | DWR_RD0999_02_s_2012_16 | | | | |
| Comment Code | | | | | |
| V4 : Elderberries are blocking visibility and flood fight capability. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.97 | Rating ** | A/W | Issue No. | 33 |
| LM End | 1.97 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.288712 ° | 38.288712 ° |
| | | | | -121.610920 ° | -121.610920 ° |
| DWR ID | DWR_RD0999_02_s_2017_33 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Monitor animal activity. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.16 | Rating ** | M | Issue No. | 15 |
| LM End | 2.30 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.288116 ° | 38.286617 ° |
| | | | | -121.607827 ° | -121.606425 ° |
| DWR ID | DWR_RD0999_02_f_2021_15 | | | | |
| Comment Code | | | | | |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Remove small saplings growing on landside slope and toe. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_233_15_20220307_00006.jpg



Sapling growth on the LS slope/toe. Fall 2021

| | | | |
|--|--|---|---|
| * 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Sutter Slough | Right | 3.74 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | M | Issue No. | 15 |
| LM End | 2.18 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.286640 ° | 38.313354 ° |
| | | | | -121.606232 ° | -121.594183 ° |
| DWR ID | DWR_RD0999_03_s_2022_15 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Maintain annual vegetation growth on the landside slope and within 10' of the toe. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_234_15_20220524_00036.jpg



Annual vegetation on the landside slope and toe. Spring 2022

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | M | Issue No. | 19 |
| LM End | 2.63 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.286643 ° | 38.319138 ° |
| | | | | -121.606233 ° | -121.590759 ° |
| DWR ID | DWR_RD0999_03_s_2022_19 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Maintain annual vegetation growth on the waterside slope within 20' pf the crown. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_234_19_20220524_00037.jpg



Annual vegetation growth on the waterside slope. Spring 2022

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.04 | Rating ** | C | Issue No. | 32 |
| LM End | 0.04 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.287040 ° | 38.287040 ° |
| | | | | -121.605667 ° | -121.605667 ° |
| DWR ID | DWR_RD0999_03_f_2017_32 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| Prunings removed. | | | | | |

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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Sutter Slough | Right | 3.74 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.06 | Rating ** | C | Issue No. | 17 |
| LM End | 0.06 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.287290 ° | 38.287290 ° |
| | | | | -121.605472 ° | -121.605472 ° |
| DWR ID | DWR_RD0999_03_s_2017_17 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Plants are outside 20' of the crown. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.18 | Rating ** | M | Issue No. | 11 |
| LM End | 0.18 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.288893 ° | 38.288893 ° |
| | | | | -121.604663 ° | -121.604663 ° |
| DWR ID | DWR_RD0999_03_f_2021_11 | | | | |
| Comment Code | | | | | |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Remove/trim tree at guy wire for visibility. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_234_11_20220307_00008.jpg



Tree near pole/guy wire on the LS. Fall 2021

| | | | |
|--|--|---|---|
| * 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough | Right | 3.74 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.24 | Rating ** | U | Issue No. | 5 |
| LM End | 0.65 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2018 USACE Erosion Survey | | | 38.289634 ° | 38.295505 ° |
| | | | | -121.604343 ° | -121.605648 ° |
| DWR ID | DWR_RD0999_03_s_2022_5 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2018 Site ID: STR 24.7 R | | | | | |
| Status: Critical | | | | | |
| 2018 Field Notes: Length reduced on downstream side to account for repaired section. | | | | | |
| Site History: 1997 - Intermittent over-steepened sections. Large riparian vegetation along the length of the entire reach. Attempts to repair with rock on bank have failed. 1999 - New rock repair at the downstream end. 2002 - Some minor spot repairs. 2009 - Minimal new erosion. 2010 - Appears that fresh rock placed on downstream portion of site. Toe scour and overhanging trees with some overturned. 2012 - Minor new erosion at the toe. 2013 - Site upgraded to CRITICAL. Severe slumping into levee at downstream end of site. Fresh erosion into bank toe. 2015 - New slumping, tall vertical sections. 2016 - Upper slumped section continues to worsen. 2017 - Locals have placed rock in worst sections. Fresh erosion at toe. New tall vertical sections observed. | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 0.24 | Rating ** | U | Issue No. | 5 (cont) |
| LM End | 0.65 | Issue Type + | Ma | Location * | WS |

Photo 1 of 2 : SP_2022_RD0999_234_5_20220307_00001.jpg



USACE 2018 Erosion Photo #1

Photo 2 of 2 : SP_2022_RD0999_234_5_20220307_00002.jpg



USACE 2018 Erosion Photo #2

| | | | |
|--|--|---|---|
| * 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough | Right | 3.74 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|---|------------------------|--------------|------------------------|---------------|----------|
| LM Start | 0.66 | Rating ** | U | Issue No. | 8 |
| LM End | 0.66 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.295618 ° | 38.295618 ° | |
| | | | -121.605923 ° | -121.605923 ° | |
| DWR ID | DWR_RD0999_03_s_2012_8 | | | | |
| Comment Code | | | | | |
| V4 : Elderberries are blocking visibility and flood fight capability. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 0.70 | Rating ** | M | Issue No. | 36 |
| LM End | 0.70 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.296175 ° | 38.296175 ° | |
| | | | -121.605893 ° | -121.605893 ° | |
| DWR ID | DWR_RD0999_03_s_2020_36 | | | | |
| Comment Code | | | | | |
| V4 : Elderberries are blocking visibility and flood fight capability. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|---------------------------|--------------|------------------------|---------------|----------|
| LM Start | 0.97 | Rating ** | M | Issue No. | 6 |
| LM End | 1.10 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | 2018 USACE Erosion Survey | | 38.299402 ° | 38.300542 ° | |
| | | | -121.603056 ° | -121.601118 ° | |
| DWR ID | DWR_RD0999_03_s_2022_6 | | | | |
| Comment Code | | | | | |
| Inspector Comment | | | | | |
| 2018 Site ID: STR 25.2 R | | | | | |
| Status: Eroding | | | | | |
| 2018 Field Notes: New large slump on upper levee slope. | | | | | |
| Site History: 2008 - Over steepened levee section. 2009 - Significant new erosion. 2010 - Minor new erosion. 2017 - Minor new erosion at toe. | | | | | |

Photo 1 of 2 : SP_2022_RD0999_234_6_20220307_00003.jpg



USACE 2018 Erosion Photo #1

| | | | |
|--|--|---|---|
| * 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough | Right | 3.74 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|----------|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.97 | Rating ** | M | Issue No. | 6 (cont) |
| LM End | 1.10 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2018 USACE Erosion Survey | | | 38.299402 ° | 38.300542 ° |
| | | | | -121.603056 ° | -121.601118 ° |
| DWR ID | DWR_RD0999_03_s_2022_6 | | | | |

Photo 2 of 2 : SP_2022_RD0999_234_6_20220307_00004.jpg



USACE 2018 Erosion Photo #2

| | | | | | |
|----------|---------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.43 | Rating ** | A/W | Issue No. | 10 |
| LM End | 1.57 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2018 USACE Erosion Survey | | | 38.305229 ° | 38.306667 ° |
| | | | | -121.599933 ° | -121.598266 ° |
| DWR ID | DWR_RD0999_03_s_2022_10 | | | | |

Comment Code

Inspector Comment

2018 Site ID: STR 25.7 R
 Status: Eroding
 2018 Field Notes: Site extended upstream.
 Site History: 2011 - Toe scour along length of site and erosion pockets.
 2012 - Site extended slightly upstream due to new erosion pocket.
 2013 - Tall vertical sections at upstream end of site. 2017 - Large erosion scarp near downstream end.

Photo 1 of 2 : SP_2022_RD0999_234_10_20220307_00006.jpg



USACE 2018 Erosion Photo #1

| | | | |
|--|--|---|---|
| * 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 03 Sutter Slough | Right | 3.74 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|----------|---------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.43 | Rating ** | A/W | Issue No. | 10 (cont) |
| LM End | 1.57 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2018 USACE Erosion Survey | | | 38.305229 ° | 38.306667 ° |
| | | | | -121.599933 ° | -121.598266 ° |
| DWR ID | DWR_RD0999_03_s_2022_10 | | | | |

Photo 2 of 2 : SP_2022_RD0999_234_10_20220307_00007.jpg



USACE 2018 Erosion Photo #2

| | | | | | |
|----------|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.93 | Rating ** | M | Issue No. | 12 |
| LM End | 1.97 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2018 USACE Erosion Survey | | | 38.311013 ° | 38.311342 ° |
| | | | | -121.597751 ° | -121.596976 ° |
| DWR ID | DWR_RD0999_03_s_2022_12 | | | | |

Comment Code

Inspector Comment

2018 Site ID: STR 26.1 R
Status: Eroding
2018 Field Notes: No observed change.
Site History: 2015 - Tall vertical sections into the levee slope and erosion along the toe. 2016 - New tree pop-out observed.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.93 | Rating ** | M | Issue No. | 12 (cont) |
| LM End | 1.97 | Issue Type + | Ma | Location * | WS |

Photo 1 of 2 : SP_2022_RD0999_234_12_20220307_00009.jpg



USACE 2018 Erosion Photo #1

Photo 2 of 2 : SP_2022_RD0999_234_12_20220307_00010.jpg



USACE 2018 Erosion Photo #2

| | | | |
|--|--|---|---|
| * 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough | Right | 3.74 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.99 | Rating ** | M | Issue No. | 13 |
| LM End | 1.99 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Vehicle Traffic | | | 38.311618 ° | 38.311618 ° |
| | | | | -121.596887 ° | -121.596887 ° |
| DWR ID | DWR_RD0999_03_f _ 2020_13 | | | | |
| Comment Code | | | | | |
| E6 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| Repair slope depression due to vehicle traffic. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_234_13_20220307_00011.jpg



View of slope damage on the waterside slope due to vehicle traffic. Fall 2020

| | | | | | |
|---|---------------------------|--------------|-----|------------------------|---------------|
| LM Start | 2.97 | Rating ** | A/W | Issue No. | 14 |
| LM End | 3.22 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2018 USACE Erosion Survey | | | 38.323419 ° | 38.325592 ° |
| | | | | -121.589645 ° | -121.585925 ° |
| DWR ID | DWR_RD0999_03_s_2022_14 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2018 Site ID: STR 27.3 R | | | | | |
| Status: Eroding | | | | | |
| 2018 Field Notes: No observed change. | | | | | |
| Site History: 2011 - Multiple erosion pockets. Some likely from tree popouts. 2013 - Tall vertical sections. 2015 - New tree pop-out and significant new erosion. 2016 - New erosion at toe. 2017 - Site extended downstream, section of lower bank has slumped off. Fresh toe erosion and fresh tree popout. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_234_14_20220307_00012.jpg



USACE 2018 Erosion Photo #1

| | | | |
|--|--|---|---|
| * 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 03 Sutter Slough | Right | 3.74 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.26 | Rating ** | M | Issue No. | 21 |
| LM End | 3.62 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.326184 ° | 38.331151 ° |
| | | | | -121.586000 ° | -121.585747 ° |
| DWR ID | DWR_RD0999_03_s_2022_21 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Maintain annual vegetation growth on the landside slope and within 10' of the toe. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_234_21_20220524_00041.jpg



Annual vegetation on the landside slope. Spring 2022

| | | | |
|--|--|---|---|
| * 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 04 Sacramento River | Right | 1.22 | 05/06/2022 05/06/2022 | Marvin Marshall |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 0.00 | Rating ** | M | Issue No. | 2 | |
| LM End | 0.00 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 38.414022 ° | 38.414022 ° | |
| | | | | -121.522986 ° | -121.522986 ° | |
| DWR ID | 22788 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:69326 DS_ID:22788 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/01/2020 Record updated from No Action Needed to Non-Urgent. No permit has been identified authorizing pipe. (D.Sanoski - DWR UCIP) 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Elk Slough Inlet Structure] 60-inch by 60-inch reinforced concrete drainage culvert through the levee, 30 feet below the crown. Slide gate in a 6-foot by 8-foot concrete vault on the waterside (WS) shoulder. [Additional Reference(s): DWR Levee Log, 1992 (HLM 0.00). USACE Sacramento O&M Manual, Unit 113, October 1966, Revised 29 December 2016, (0.00), listed as 5-foot by 5-foot culvert.] FS Date: 7/1/2020 10:09:00 AM | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 0.00 | Rating ** | M | Issue No. | 2 (cont) |
| LM End | 0.00 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_SP_2022_69326_88712.jpg



Top of Levee: view of crown.

Photo 2 of 3 : UCIP_SP_2022_69326_88713.jpg



Water-Side: view of WS slope and concrete vault.

| | | | |
|--|--|---|---|
| * 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 04 Sacramento River | Right | 1.22 | 05/06/2022 05/06/2022 | Marvin Marshall |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|-----------------|
| LM Start | 0.00 | Rating ** | M | Issue No. | 2 (cont) |
| LM End | 0.00 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 38.414022 ° | 38.414022 ° |
| | | | | -121.522986 ° | -121.522986 ° |
| DWR ID | 22788 | | | | |

Photo 3 of 3 : UCIP_SP_2022_69326_88714.jpg



Land-Side: view of LS slope and channel at toe.

| | | | | | |
|----------|---------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.02 | Rating ** | A/W | Issue No. | 23 |
| LM End | 0.28 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2018 USACE Erosion Survey | | | 38.414387 ° | 38.417692 ° |
| | | | | -121.522871 ° | -121.525083 ° |
| DWR ID | DWR_RD0999_04_s_2022_23 | | | | |

Comment Code

Inspector Comment

2018 Site ID: SAC 41.9 R
 Status: Critical
 2018 Field Notes: Site continues to look worse.
 Site History: 1997 - Structural problem rather than erosional, failed cobble at downstream end. 2005 - New brush boxes at waterline for several hundred feet downstream, No toe or bank protection present. 2006 - Some minor new erosion. Brush boxes not working well; most of the brush has floated out. 2007 - Brush boxes have recently been repaired. 2016 - Minor new slumping. 2017 - Fresh erosion on entire bank. Upgraded to CRITICAL.

Photo 1 of 2 : SP_2022_RD0999_235_23_20220307_00004.jpg



USACE 2018 Erosion Photo #1

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 04 Sacramento River | Right | 1.22 | 05/06/2022 05/06/2022 | Marvin Marshall |

| | | | | | |
|----------|---------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.02 | Rating ** | A/W | Issue No. | 23 (cont) |
| LM End | 0.28 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2018 USACE Erosion Survey | | | 38.414387 ° | 38.417692 ° |
| | | | | -121.522871 ° | -121.525083 ° |
| DWR ID | DWR_RD0999_04_s_2022_23 | | | | |

Photo 2 of 2 : SP_2022_RD0999_235_23_20220307_00005.jpg



USACE 2018 Erosion Photo #2

| | | | | | |
|----------|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.55 | Rating ** | A/W | Issue No. | 39 |
| LM End | 0.55 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Foot Traffic | | | 38.421051 ° | 38.421051 ° |
| | | | | -121.527692 ° | -121.527692 ° |
| DWR ID | DWR_RD0999_04_s_2022_39 | | | | |

Comment Code

E3 : Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

Monitor footpath for erosion.

Photo 1 of 1 : SP_2022_RD0999_235_39_20220506_00084.jpg



Footpath on the waterside slope. Spring 2022

| | | | | | |
|----------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.58 | Rating ** | M | Issue No. | 35 |
| LM End | 0.58 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.421367 ° | 38.421367 ° |
| | | | | -121.528051 ° | -121.528051 ° |
| DWR ID | DWR RD0999 04 s 2022 35 | | | | |

Comment Code

T6 : Trees / Falling Tree.

Inspector Comment

Remove fallen tree from landside slope.

Photo 1 of 1 : SP_2022_RD0999_235_35_20220506_00085.jpg



Fallen tree on the landside slope. Spring 2022

*** 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 04 Sacramento River | Right | 1.22 | 05/06/2022 05/06/2022 | Marvin Marshall |

| | | | | | |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 0.91 | Rating ** | M | Issue No. | 31 |
| LM End | 0.99 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.425529 ° | 38.426568 ° | |
| | | | -121.531026 ° | -121.531692 ° | |
| DWR ID | DWR_RD0999_04_s_2022_31 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 1.10 | Rating ** | C | Issue No. | 47 |
| LM End | 1.10 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Erosion / Bank Caving | | 38.428152 ° | 38.428152 ° | |
| | | | -121.532502 ° | -121.532502 ° | |
| DWR ID | DWR_RD0999_04_s_2017_47 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| Small erosion just above the riprap and runoff erosion exist on the waterside slope. The LMA placed some broken concrete on 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Elk Slough | Right | 9.48 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | M | Issue No. | 49 |
| LM End | 0.01 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2018 USACE Erosion Survey | | | 38.332643 ° | 38.414157 ° |
| | | | | -121.584449 ° | -121.523156 ° |
| DWR ID | DWR_RD0999_05_s_2022_49 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2018 Site ID: ELK 0.2 R Status: Eroding 2018 Field Notes: Deteriorating levee reach. Site History: 1997 - Most of lower Elk Slough contains high near vertical banks, with erosion into the levee slope. Channel almost appears incised. 2002 - Sites where the levee slope is near vertical and severely eroding. It could fail catastrophically. 2004 - Looks bad in terms of vertical slopes and fallen trees. 2005 - Banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2006 - Both banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2010 - The entire reach is in poor condition, with severely eroding near vertical slopes, needs a regional repair. 2011 - Channel banks are still oversteepened with erosion continuing. 2012 - New cracks and animal holes observed. 2013 - Fresh erosion around pump structure. 2017 - Fresh erosion observed. | | | | | |

No Photos

| | | | | | |
|---|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.13 | Rating ** | A/W | Issue No. | 165 |
| LM End | 0.13 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 38.334473 ° | 38.334473 ° |
| | | | | -121.584226 ° | -121.584226 ° |
| DWR ID | DWR_RD0999_05_s_2020_165 | | | | |
| Comment Code | | | | | |
| S1 : Repair slope instability. | | | | | |
| Inspector Comment | | | | | |
| Minor cracks appear within the pavement next to a ramp. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_165_20220307_00054.jpg



View of minor cracks near a ramp. Spring 2020

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Elk Slough | Right | 9.48 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.32 | Rating ** | N | Issue No. | 75 |
| LM End | 0.32 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.337057 ° | 38.337057 ° |
| | | | | -121.582721 ° | -121.582721 ° |
| DWR ID | DWR_RD0999_05_s_2021_75 | | | | |
| Comment Code | | | | | |
| T5 : Tree stumps. | | | | | |
| Inspector Comment | | | | | |
| Remove stumps. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_75_20220524_00200.jpg



Stumps on the landside slope. Spring 2022

| | | | | | |
|---|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.10 | Rating ** | U | Issue No. | 55 |
| LM End | 1.14 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 38.347889 ° | 38.348159 ° |
| | | | | -121.579191 ° | -121.578665 ° |
| DWR ID | DWR_RD0999_05_f_2021_55 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| Crown sloughing at roadway edge. Approximately 500' >6" | | | | | |

Photo 1 of 2 : SP_2022_RD0999_236_55_20220307_00015.jpg



Depth of sloughing on WS crown. Fall 2021

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.10 | Rating ** | U | Issue No. | 55 (cont) |
| LM End | 1.14 | Issue Type + | Ma | Location * | CR |

Photo 2 of 2 : SP_2022_RD0999_236_55_20220307_00016.jpg



Length of sloughing on WS crown. Fall 2021

| | | | | | |
|--|--|---|--|---|--|
| * 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Elk Slough | Right | 9.48 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.15 | Rating ** | M | Issue No. | 15 |
| LM End | 1.19 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.348259 ° | 38.348328 ° |
| | | | | -121.578405 ° | -121.577735 ° |
| DWR ID | DWR_RD0999_05_s_2012_15 | | | | |
| Comment Code | | | | | |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Trim trees to 5' above grade. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_15_20220524_00206.jpg



Trees on the landside slope. Spring 2022

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.17 | Rating ** | M | Issue No. | 273 |
| LM End | 1.17 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.348307 ° | 38.348307 ° |
| | | | | -121.578045 ° | -121.578045 ° |
| DWR ID | DWR_RD0999_05_f_2021_273 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove the large tree debris on the waterside slope, | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_273_20220307_00088.jpg



Fallen tree in channel. Fall 2021

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.25 | Rating ** | C | Issue No. | 271 |
| LM End | 1.25 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.348331 ° | 38.348331 ° |
| | | | | -121.576547 ° | -121.576547 ° |
| DWR ID | DWR_RD0999_05_s_2020_271 | | | | |
| Comment Code | | | | | |
| T1 : Trim and thin trees to at least five feet above ground level to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Trees have been trimmed. | | | | | |

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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Elk Slough | Right | 9.48 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.43 | Rating ** | A/W | Issue No. | 61 |
| LM End | 1.43 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Foot Traffic | | | 38.348283 ° | 38.348283 ° |
| | | | | -121.573347 ° | -121.573347 ° |
| DWR ID | DWR_RD0999_05_s_2020_61 | | | | |
| Comment Code | | | | | |
| E3 : Repair the levee slope damaged by foot traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| Monitor three footpaths for further erosion of the waterside slope. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_61_20220524_00214.jpg



Footpaths on the waterside slope. Spring 2022

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.54 | Rating ** | M | Issue No. | 53 |
| LM End | 1.54 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.349775 ° | 38.349775 ° |
| | | | | -121.573608 ° | -121.573608 ° |
| DWR ID | DWR_RD0999_05_s_2022_53 | | | | |
| Comment Code | | | | | |
| DE : Debris | | | | | |
| Inspector Comment | | | | | |
| Remove debris from waterside shoulder. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_53_20220524_00215.jpg



Debris on the waterside shoulder. Spring 2022

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.01 | Rating ** | N | Issue No. | 79 |
| LM End | 2.01 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.355585 ° | 38.355585 ° |
| | | | | -121.571135 ° | -121.571135 ° |
| DWR ID | DWR_RD0999_05_s_2021_79 | | | | |
| Comment Code | | | | | |
| T5 : Tree stumps. | | | | | |
| Inspector Comment | | | | | |
| Three tree stumps are located on the LS leve slope. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_79_20220307_00020.jpg



View of the tree stumps on the LS levee slope. Spring 2021.

| | | | |
|--|--|---|---|
| * 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Elk Slough | Right | 9.48 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.04 | Rating ** | N | Issue No. | 90 |
| LM End | 2.04 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.355616 ° | 38.355616 ° |
| | | | | -121.570675 ° | -121.570675 ° |
| DWR ID | DWR_RD0999_05_s_2021_90 | | | | |
| Comment Code | | | | | |
| T5 : Tree stumps. | | | | | |
| Inspector Comment | | | | | |
| A tree stump and two tree logs are located on the LS levee slope. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_90_20220524_00219.jpg



Tree stump and logs on the landside slope. Spring 2022

| | | | | | |
|--------------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.51 | Rating ** | N | Issue No. | 218 |
| LM End | 2.51 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.356378 ° | 38.356378 ° |
| | | | | -121.563185 ° | -121.563185 ° |
| DWR ID | DWR_RD0999_05_f_2020_218 | | | | |
| Comment Code | | | | | |
| T5 : Tree stumps. | | | | | |
| Inspector Comment | | | | | |
| Tree has split and stump will decay. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_218_20220524_00220.jpg



Fallen tree on the waterside slope. Spring 2022

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.56 | Rating ** | M | Issue No. | 264 |
| LM End | 2.56 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.356910 ° | 38.356910 ° |
| | | | | -121.562635 ° | -121.562635 ° |
| DWR ID | DWR_RD0999_05_s_2020_264 | | | | |
| Comment Code | | | | | |
| T6 : Trees / Falling Tree. | | | | | |
| Inspector Comment | | | | | |
| Repair erosion due to a fallen tree with exposed rootball. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_264_20220524_00221.jpg



Void from rootball on the waterside slope. Spring 2022

*** 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Elk Slough | Right | 9.48 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.98 | Rating ** | N | Issue No. | 56 |
| LM End | 2.98 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.362749 ° | 38.362749 ° |
| | | | | -121.563338 ° | -121.563338 ° |
| DWR ID | DWR_RD0999_05_f _ 2021_56 | | | | |
| Comment Code | | | | | |
| T5 : Tree stumps. | | | | | |
| Inspector Comment | | | | | |
| Several stumps and fallen trees in the vicinity. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.11 | Rating ** | N | Issue No. | 95 |
| LM End | 3.11 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.364356 ° | 38.364356 ° |
| | | | | -121.562021 ° | -121.562021 ° |
| DWR ID | DWR_RD0999_05_s_2021_95 | | | | |
| Comment Code | | | | | |
| T5 : Tree stumps. | | | | | |
| Inspector Comment | | | | | |
| A large tree stump is located on lower LS levee slope. Spring 2021. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_95_20220524_00223.jpg



Tree stump at the landside toe. Spring 2022

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.20 | Rating ** | M | Issue No. | 260 |
| LM End | 3.20 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.364702 ° | 38.364702 ° |
| | | | | -121.560565 ° | -121.560565 ° |
| DWR ID | DWR_RD0999_05_s_2020_260 | | | | |
| Comment Code | | | | | |
| T6 : Trees / Falling Tree. | | | | | |
| Inspector Comment | | | | | |
| Repair erosion caused by a fallen tree with an exposed rootball. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_260_20220307_00086.jpg



View of slope erosion around fallen tree from the waterside. Summer 2020

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Elk Slough | Right | 9.48 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.21 | Rating ** | M | Issue No. | 60 |
| LM End | 3.64 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.364686 ° | 38.366958 ° |
| | | | | -121.560266 ° | -121.556822 ° |
| DWR ID | DWR_RD0999_05_s_2022_60 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Maintain annual vegetation growth on the landside slope and within 10' of the toe. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_60_20220524_00225.jpg



Annual vegetation on the landside slope. Spring 2022

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.22 | Rating ** | M | Issue No. | 65 |
| LM End | 3.64 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.364692 ° | 38.366958 ° |
| | | | | -121.560168 ° | -121.556822 ° |
| DWR ID | DWR_RD0999_05_s_2022_65 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_65_20220524_00226.jpg



Annual vegetation growth on the waterside slope. Spring 2022

| | | | | | | |
|--|-------------------------|--------------|----|------------------------|----|---------------|
| LM Start | 3.55 | Rating ** | M | Issue No. | 83 | |
| LM End | 3.55 | Issue Type + | Ma | Location * | WS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Trim / Thin Trees | | | 38.365742 ° | | 38.365742 ° |
| | | | | -121.556778 ° | | -121.556778 ° |
| DWR ID | DWR_RD0999_05_f_2018_83 | | | | | |
| Comment Code | | | | | | |
| T6 : Trees / Falling Tree. | | | | | | |
| Inspector Comment | | | | | | |
| Repair slope damage caused by a large fallen tree. | | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_83_20220307_00023.jpg



View of a fallen tree with exposed rootball. Summer 2020

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

Reclamation District No. 0999 Netherlands

Page 8 of 16

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Elk Slough | Right | 9.48 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 4.13 | Rating ** | A/W | Issue No. | 82 |
| LM End | 4.13 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.371470 ° | 38.371470 ° |
| | | | | -121.553528 ° | -121.553528 ° |
| DWR ID | DWR_RD0999_05_f_2019_82 | | | | |
| Comment Code | | | | | |
| T6 : Trees / Falling Tree. | | | | | |
| Inspector Comment | | | | | |
| Monitor erosion at the water's edge due to a fallen tree with exposed rootball. | | | | | |

Photo 1 of 2 : SP_2022_RD0999_236_82_20220307_00021.jpg



View of large, fallen tree with exposed rootball. Summer 2020

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 4.13 | Rating ** | A/W | Issue No. | 82 (cont) |
| LM End | 4.13 | Issue Type + | Ma | Location * | WS |

Photo 2 of 2 : SP_2022_RD0999_236_82_20220307_00022.jpg



View of scarp around fallen tree. Summer 2020

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.25 | Rating ** | M | Issue No. | 12 |
| LM End | 4.25 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 38.372872 ° | 38.372872 ° |
| | | | | -121.552185 ° | -121.552185 ° |
| DWR ID | DWR_RD0999_05_s_2017_12 | | | | |
| Comment Code | | | | | |
| S1 : Repair slope instability. | | | | | |
| Inspector Comment | | | | | |
| Sloughing damage needs to be repaired. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_12_20220307_00004.jpg



Looking downstream at finger erosion on downstream side of slough.

| | | | |
|--|--|---|---|
| * 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Elk Slough | Right | 9.48 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.14 | Rating ** | N | Issue No. | 117 |
| LM End | 5.14 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.380599 ° | 38.380599 ° |
| | | | | -121.541227 ° | -121.541227 ° |
| DWR ID | DWR_RD0999_05_s_2021_117 | | | | |
| Comment Code | | | | | |
| T5 : Tree stumps. | | | | | |
| Inspector Comment | | | | | |
| A tree stump is located on the WS levee slope. Spring 2021. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_117_20220307_00036.jpg



View of the tree stump on the WS levee slope. Spring 2021.

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 5.35 | Rating ** | A/W | Issue No. | 97 |
| LM End | 5.35 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.381297 ° | 38.381297 ° |
| | | | | -121.545037 ° | -121.545037 ° |
| DWR ID | DWR_RD0999_05_f_2018_97 | | | | |
| Comment Code | | | | | |
| T6 : Trees / Falling Tree. | | | | | |
| Inspector Comment | | | | | |
| Repair the levee toe damaged by fallen trees. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_97_20220307_00028.jpg



View of fallen trees and scarp. Summer 2020

| | | | | | |
|---|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 5.64 | Rating ** | A/W | Issue No. | 229 |
| LM End | 5.64 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.384442 ° | 38.384442 ° |
| | | | | -121.545580 ° | -121.545580 ° |
| DWR ID | DWR_RD0999_05_s_2020_229 | | | | |
| Comment Code | | | | | |
| T6 : Trees / Falling Tree. | | | | | |
| Inspector Comment | | | | | |
| Erosion is caused by a fallen tree with exposed rootball. | | | | | |

Photo 1 of 2 : SP_2022_RD0999_236_229_20220307_00082.jpg



View of two fallen trees. Summer 2020

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Elk Slough | Right | 9.48 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|----------|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 5.64 | Rating ** | A/W | Issue No. | 229 (cont) |
| LM End | 5.64 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.384442 ° | 38.384442 ° |
| | | | | -121.545580 ° | -121.545580 ° |
| DWR ID | DWR_RD0999_05_s_2020_229 | | | | |

Photo 2 of 2 : SP_2022_RD0999_236_229_20220307_00083.jpg



View of large scarp near two fallen trees. Summer 2020

| | | | | | |
|----------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.67 | Rating ** | N | Issue No. | 129 |
| LM End | 5.67 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.384465 ° | 38.384465 ° |
| | | | | -121.545091 ° | -121.545091 ° |
| DWR ID | DWR_RD0999_05_s_2021_129 | | | | |

Comment Code

T5 : Tree stumps.

Inspector Comment

Four tree stumps are located on the LS levee slope and toe. Spring 2021.

Photo 1 of 1 : SP_2022_RD0999_236_129_20220307_00040.jpg



View of the tree stumps on the LS levee slope and toe. Spring 2021.

| | | | | | |
|----------|---------------------------|--------------|-----|------------------------|---------------|
| LM Start | 5.72 | Rating ** | A/W | Issue No. | 99 |
| LM End | 5.72 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.384578 ° | 38.384578 ° |
| | | | | -121.544173 ° | -121.544173 ° |
| DWR ID | DWR_RD0999_05 f _ 2018_99 | | | | |

Comment Code

T6 : Trees / Falling Tree.

Inspector Comment

Repair damage to the levee toe from a fallen tree.

Photo 1 of 1 : SP_2022_RD0999_236_99_20220307_00029.jpg



View of slope damage near fallen tree. Summer 2020

*** Location**

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

**** Rating**

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

+ Issue Type

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Elk Slough | Right | 9.48 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|--------------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.79 | Rating ** | M | Issue No. | 227 |
| LM End | 5.79 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.384725 ° | 38.384725 ° |
| | | | | -121.542887 ° | -121.542887 ° |
| DWR ID | DWR_RD0999_05_s_2020_227 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove a fallen tree from the slope. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_227_20220307_00081.jpg



View of a fallen tree on the waterside slope. Spring 2020

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.77 | Rating ** | M | Issue No. | 208 |
| LM End | 6.77 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.395742 ° | 38.395742 ° |
| | | | | -121.539080 ° | -121.539080 ° |
| DWR ID | DWR_RD0999_05_f_2020_208 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| Remove prunings from the waterside shoulder. | | | | | |

No Photos

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.54 | Rating ** | N | Issue No. | 191 |
| LM End | 7.54 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.403843 ° | 38.403843 ° |
| | | | | -121.541233 ° | -121.541233 ° |
| DWR ID | DWR_RD0999_05_s_2020_191 | | | | |
| Comment Code | | | | | |
| T5 : Tree stumps. | | | | | |
| 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 - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Elk Slough | Right | 9.48 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.69 | Rating ** | M | Issue No. | 214 |
| LM End | 7.69 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 38.405117 ° | 38.405117 ° |
| | | | | -121.543407 ° | -121.543407 ° |
| DWR ID | DWR_RD0999_05_f_2021_214 | | | | |
| Comment Code | | | | | |
| S1 : Repair slope instability. | | | | | |
| Inspector Comment | | | | | |
| Repair large hole on the landside slope. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_214_20220307_00073.jpg



View of a large hole on the landside slope. Fall 2020

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.14 | Rating ** | M | Issue No. | 188 |
| LM End | 8.14 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.409873 ° | 38.409873 ° |
| | | | | -121.539280 ° | -121.539280 ° |
| DWR ID | DWR_RD0999_05_s_2020_188 | | | | |
| Comment Code | | | | | |
| T4 : Trim trees over roadway to at least 12 feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.18 | Rating ** | M | Issue No. | 186 |
| LM End | 8.18 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.409818 ° | 38.409818 ° |
| | | | | -121.538585 ° | -121.538585 ° |
| DWR ID | DWR_RD0999_05_s_2020_186 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_186_20220307_00065.jpg



View of a tree log on the waterside slope. Spring 2020

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 05 Elk Slough | Right | 9.48 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.28 | Rating ** | M | Issue No. | 177 |
| LM End | 8.28 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.409355 ° | 38.409355 ° |
| | | | | -121.536780 ° | -121.536780 ° |
| DWR ID | DWR_RD0999_05_f_2020_177 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove tree log debris from the waterside slope. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_177_20220307_00062.jpg



View of tree logs and limbs on the waterside slope. Fall 2020

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.31 | Rating ** | M | Issue No. | 181 |
| LM End | 8.31 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.409118 ° | 38.409118 ° |
| | | | | -121.536298 ° | -121.536298 ° |
| DWR ID | DWR_RD0999_05_s_2020_181 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Remove a fallen tree from the waterside slope. | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_181_20220307_00064.jpg



View of fallen tree on the waterside slope. Spring 2020

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.74 | Rating ** | N | Issue No. | 164 |
| LM End | 8.74 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.411668 ° | 38.411668 ° |
| | | | | -121.530162 ° | -121.530162 ° |
| DWR ID | DWR_RD0999_05_s_2020_164 | | | | |
| Comment Code | | | | | |
| T5 : Tree stumps. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : SP_2022_RD0999_236_164_20220307_00053.jpg



View of a large tree stump on the waterside slope. Spring 2020

*** Location**

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

**** Rating**

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

+ Issue Type

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

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2022

Reclamation District No. 0999 Netherlands

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 Elk Slough | Right | 9.48 | 05/20/2022 05/20/2022 | Marvin Marshall |

| | | | | | |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start | 8.83 | Rating ** | M | Issue No. | 130 |
| LM End | 8.83 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.412788 ° | 38.412788 ° | |
| | | | -121.529682 ° | -121.529682 ° | |
| DWR ID | DWR_RD0999_05_s_2019_130 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth and woody vegetation other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-------------------|--------------------------|--------------|------------------------|---------------|------------|
| LM Start | 8.84 | Rating ** | M | Issue No. | 159 |
| LM End | 8.84 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Encroachments | | 38.412893 ° | 38.412893 ° | |
| | | | -121.529670 ° | -121.529670 ° | |
| DWR ID | DWR_RD0999_05_f_2020_159 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|--------------------------|--------------|------------------------|---------------|------------|
| LM Start | 9.39 | Rating ** | A/W | Issue No. | 114 |
| LM End | 9.39 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Vegetation | | 38.413377 ° | 38.413377 ° | |
| | | | -121.524500 ° | -121.524500 ° | |
| DWR ID | DWR_RD0999_05_s_2012_114 | | | | |
| Comment Code | | | | | |
| V4 : Elderberries are blocking visibility and flood fight capability. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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